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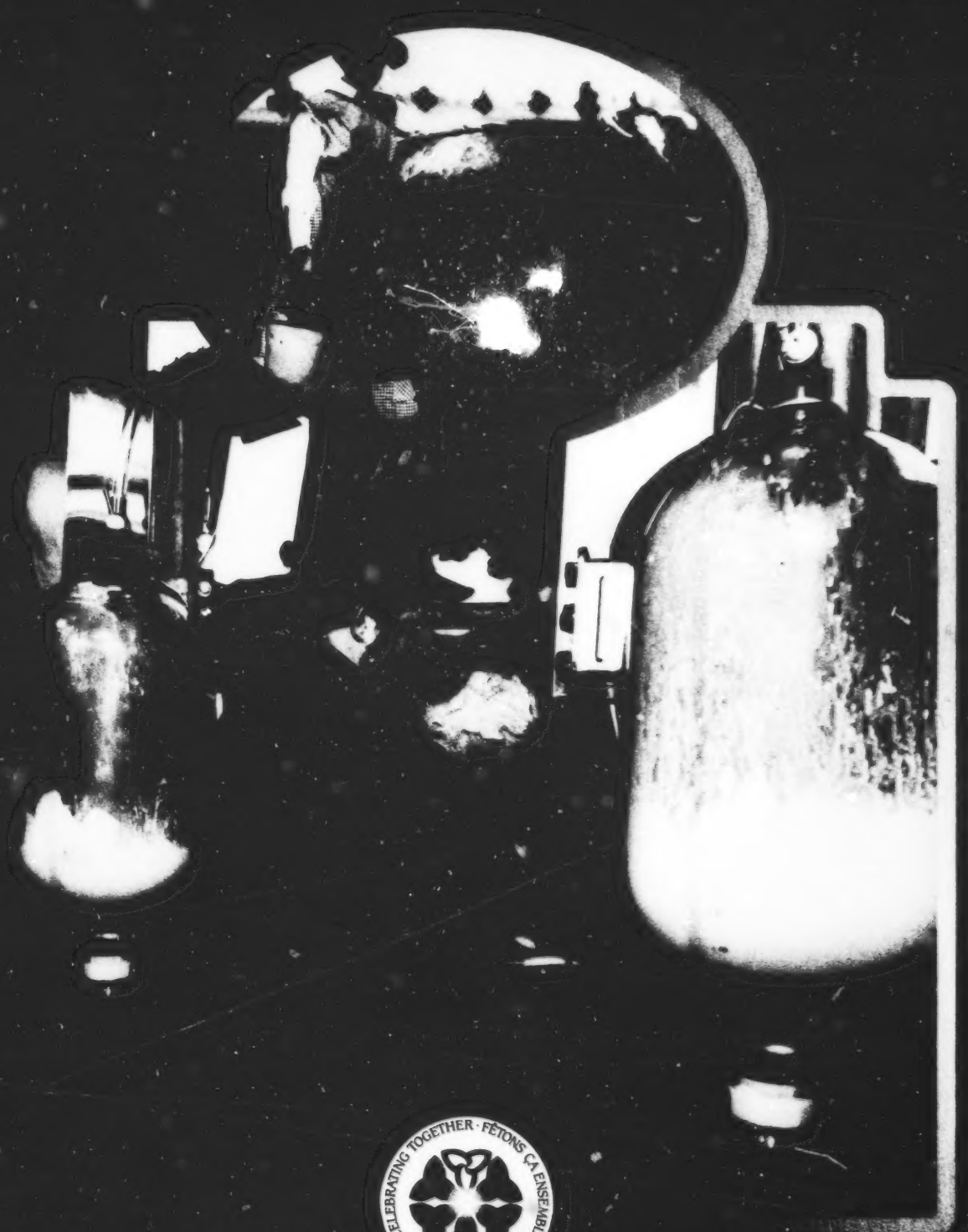

CELEBRATING TOGETHER · FÊTONS ÇA ENSEMBLE
1784 · ONTARIO · 1984

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THE MINISTER OF AGRICULTURE AND FOOD
ANNUAL REPORT

FISCAL 1983-84

THE HONOURABLE DENNIS R. TIMBRELL
Minister of Agriculture and Food

Sir:

I have the honour to submit for your approval the 1983/84 Annual Report of the Minister of Agriculture and Food.

I am particularly pleased that the details provided in the Annual Report clearly indicate the whole range of services offered to producers and to consumers in Ontario.

The Ministry has embarked on some ambitious new programs and extended existing ones this fiscal year. I am confident that they will enable The Ministry staff to provide even greater service to its various client groups.

Respectfully submitted,

Clayton Switzer
Deputy Minister.

THE HONOURABLE JOHN B. AIRD, O.C., Q.C., L.L.D.
Lieutenant Governor of the Province of Ontario.

May it please Your Honour:

For the information of Your Honour and the Legislative Assembly, I have the privilege of presenting the Annual Report of the Minister of Agriculture and Food for the fiscal year ending March 31, 1984.

May I respectfully draw Your Honour's attention and that of the Legislative Assembly to the fact that this report details programs and services that I feel constituted a solid record of achievement over the past year.

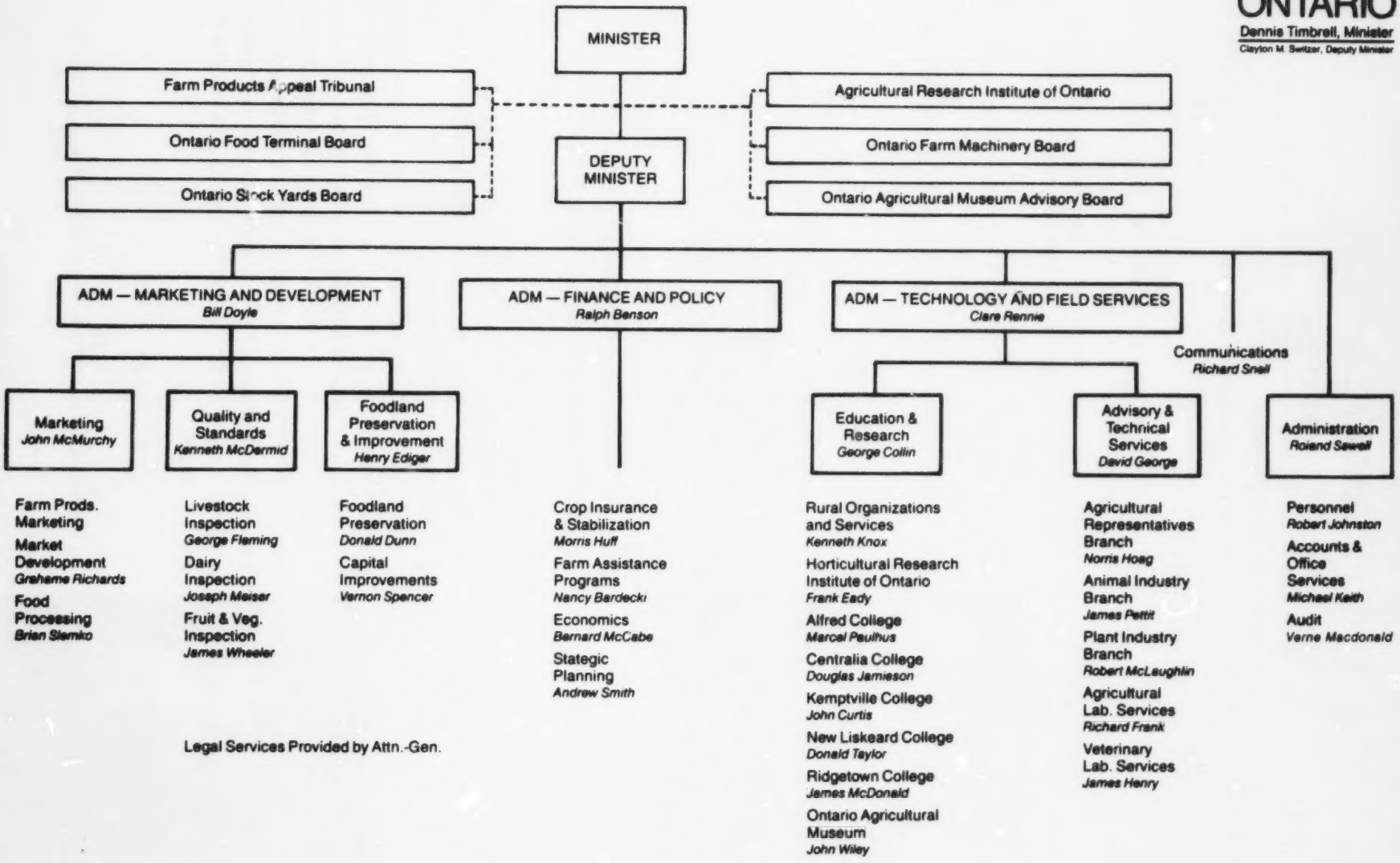
I should also like to cite the 1984 Bicentennial anniversary, recognizing 200 years of settlement that has made Ontario culturally and economically strong. This celebration is important for us as it points up the historical and current position of agriculture as a dominant industry in this great province.

Respectfully submitted,

Dennis R. Timbrell
Minister of Agriculture and Food.

ORGANIZATION CHART

Ministry of Agriculture and Food
ONTARIO
Dennis Timbrell, Minister
Clayton M. Switzer, Deputy Minister



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EDUCATION & RESEARCH DIVISION

This division operates diploma courses in agriculture and food at the province's five colleges of agricultural technology. These courses provide training for those wanting to take up careers in farming, agribusiness and the food service industry.

The division also offers adult education courses for rural men, women and young people and provides assistance to 4-H Clubs and Junior Farmers.

The division supports a variety of rural institutions and, to increase the awareness and understanding of rural life among urbanites, the division supports organizations and programs that bring the two sectors together.

To keep Ontario products competitive on world and domestic markets and strengthen the agriculture and food industries in the province, this division is responsible for a large number of research and development programs and projects. They are conducted at colleges of agricultural technology, research stations and the University of Guelph.

COLLEGES OF AGRICULTURAL TECHNOLOGY

Increases in Facilities and Programs

ALFRED COLLEGE

The College de technologie agricole et alimentaire d'Alfred, established in 1981, held its first graduation on June 3, 1983.

Thirty-seven students graduated in the two-year diploma courses, 22 in agricultural technology and 15 in food service management.

Because nearly all of them were fluently bilingual, they had little difficulty in finding jobs.

Enrolment during the past year totalled 115, with 51 in first year and 64 in the second.

The college, officially opened in October, 1982, is the first post-secondary institution in the province to offer courses only in French.

(Alfred College) Computer technology is taught to all students in Ontario's five agricultural colleges.

Advice for Farmers

The college's *continuing education program* was expanded this year to 1,400 teaching days for 200 participants compared with 820 days and 84 students the previous year. In addition, 63 persons enrolled in a trial 'continuing education course' which provided credits toward agricultural diplomas.

Advisory services were expanded during the year. These included the addition of a bilingual horticultural specialist.

A *calf weighing program* was begun in co-operation with the local cattlemen's association.

Alfred College also established its first major research project, a study of drainage problems in the heavy clay soils of the region.

About 34,000 people from the area attended the college and used its facilities during this fiscal year.

CENTRALIA COLLEGE

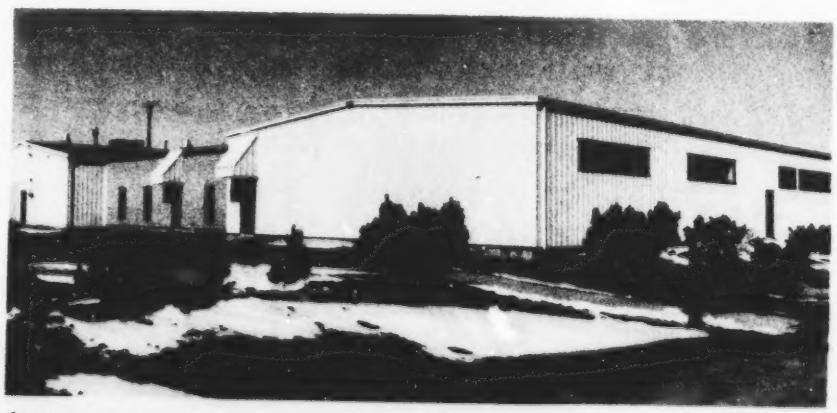
A total of 127 diplomas were awarded at the annual graduation exercises in May, to bring the total number of graduates to 1,684.

About half Centralia's total graduates — 771 — were in agricultural business management.

Employment opportunities continue to improve, especially in animal health and food service areas. The largest class of 35 was graduated this year in food service management.

Continuing Education

Thirty-nine courses in management of the farm, 10 more than last year, were offered in co-operation with local ministry staff and the Canada Employment and Immigration Commission. More than 1,100 farmers attended — a 22 per cent increase over last year.



(Centralia College) Among new and improved facilities this year was the Agricultural Engineering Services Building complex.

The courses that attracted most interest were 'use of computers', 'commodity futures markets', 'agricultural marketing' and 'machinery maintenance'.

In addition, nearly 700 rural people attended 12 one-day information meetings and courses on a variety of agricultural and homemaking topics. The annual open house in November attracted about 1,000 people.

Crop research continued to focus on production practices and weed control in white beans, soybeans, canola and rutabagas. The results from 28 agronomy projects were used in providing recommendations to western Ontario farmers. Engineering staff providing advisory services in Huron, Perth, Bruce and Grey counties now report to the college.

Educational and student facilities were improved. A new foods laboratory was completed and construction begun on the second phase of the agricultural engineering services building complex.

The student cafeteria building was insulated and refaced with brick. As well extensive interior renovations were made in the Bruce Hall residence. With the renovations, two campus residences now provide accommodation for 385 students.

KEMPTVILLE COLLEGE

The long debate over whether canola or soybean is the better field crop for eastern Ontario has been decided in favor of the soybean, thanks to survey work at Kemptville College.

On clay and sandy soils, soybeans outyielded canola by 258 kilograms per hectare. Soybean production hit a new high in the region, with 12,000 hectares grown, college figures show.

To assist soybean growers further, the college tested 79 new varieties and most gave better yields than Maple Arrow, the area's most popular variety.

Corn Tested

Traditionally fed to livestock, corn in the region is becoming more competitive as a cash crop. In winter, a major processor hired a corn buyer and began forward-contracting.

About 200 corn hybrids were tested at the college for yield, lodging and grain maturity. For the first time, silage hybrids are being tested for maturity, yield and feed quality.

Animal science continues to be aimed at saving farmers money. One experiment has shown that finishing steers on a high roughage diet is more economical than using a high grain diet.

(Kemptville College) Led by teachers and officials, graduates in food service and technology and in agricultural courses are on their way to convocation exercises.

Graduates

This year 127 students graduated from the college, 28 in food service and technology and 99 in the agricultural courses.

In the fall of 1983, 332 students were enrolled — 246 in agricultural courses and 86 in food service and technology. The *farm equipment mechanic apprenticeship program* and the *farm equipment mechanic program* continued to be popular, with 142 taking these courses. Nineteen students completed the farrier courses. Fifteen enrolled in a new 40-week course — agricultural welder fitter. A total of 1,713 people enrolled in the college's continuing education courses.

Expansion included the start of construction of a new display arena and the awarding of a contract for a $200,000 ram-testing station. The methane generator and protein synthesizer to generate fuel from the manure in the experimental beef farm were officially opened. Also opened was the service building for the agronomy research station at Winchester.

NEW LISKEARD COLLEGE

Expansion continued at the college which serves Northern Ontario farmers.

Construction began on the new Education Centre, to house services now in temporary buildings on campus.

The centre also will provide a lecture theatre, teaching laboratory, office complex and student meeting rooms.

Construction also began on the *Seed Potato Upgrading and Distribution* unit (SPUD), with the first phases being the greenhouse and header house. The SPUD unit will provide early generation seed potato development for the province.

(New Liskeard) Three students are measuring growth of alfalfa in a soil test experiment at the Northern Ontario College.

Graduates

Thirty-two students graduated this year. There were 77 students in the diploma courses, 44 in the first year and 33 in the second. Twenty-three part-time students were enrolled in 108 courses.

The college offers diploma courses in agricultural technology, dairy cattle technology, livestock technology and equine technology.

Fifty-one applied research projects were carried out in field and horticultural crops, soils, livestock and agricultural engineering.

The college also runs *agricultural extension programs* and is responsible for all agricultural engineering extension work in Northern Ontario.

RIDGETOWN COLLEGE

The college, which opened in 1951, had a record enrolment this year of 408 students, an increase of 23 students, or six per cent, over the previous year.

This year, 221 were in their first year and 187 continuing in the second year of the two-year diploma program. In May, 155 students were graduated. Diplomas have been granted to 2,512 graduates since the first graduation ceremony in 1953.

A total of 602 farmers received certificates for completion of courses in management of farm business. Thirty of the five-day and eight-day courses were offered at the college and in five southwestern Ontario counties.

College facilities were improved to accommodate expanded programs. Construction began on the second phase of the agricultural engineering facilities, to provide 15,000 square feet of laboratory and classroom space.

In the college's research program, 81 projects were funded. These included studies in livestock production and management, field and horticultural crop production and protection, economics and engineering.

Research results were reported at several short courses, seminars and commodity days held on campus and in the community. The major reporting is presented at *Farmers' Week* in January. About 1,750 farmers and representatives of agribusiness attended.

The agricultural engineers in the 13 southwestern Ontario counties from Essex to Niagara report to the college.

(Ridgetown College) The RCAT Review gives students an opportunity to show what they've learned about livestock.

AGRICULTURAL ENGINEERING

There was an 18 per cent increase in the number of farmers who sought advice from the ministry's agricultural engineering service compared with the previous year.

The number of farmers reached through educational programs and workshops increased by 50 per cent.

The service developed a comprehensive reference manual on ventilation of livestock buildings. The 224-page manual is being used in intensive one-week training schools for farmers and farm building contractors. The manual will also be used in diploma courses at the University of Guelph and the five colleges of agricultural technology.

Seven new evaluation projects on farms were begun to study soil erosion, environmental control of livestock buildings, energy conservation and improving storage quality of vegetables.

The service is placing emphasis on projects that translate research into practical on-farms applications to demonstrate new technology.

OMAF Ag Engineer discusses new barn plans with farmer Ron Torry in the Markdale area.

ONTARIO AGRICULTURAL MUSEUM

The museum, near Milton, was initiated in 1973 and now has 35 buildings and about 20,000 artifacts, tools and machines reflecting the history of Ontario agriculture.

The 1983 season was the fifth year the museum was open to the public. The *school education program* was expanded and 15,094 students took guided tours of the museum, about 5,000 more than in the previous year.

The museum is open seven days a week from mid-May to Thanksgiving. The format of special events, particularly on weekends, was expanded to attract visitors.

A quiet moment for a young spinner at the Agricultural Museum which had 39,000 visitors on the site, near Milton.

HORTICULTURAL RESEARCH INSTITUTE

Better Wine and New Grape Products

Grape juice products with new flavors have been developed at the institute's Horticultural Products Laboratory. Some are already in production. One of the best-received is a carbonated product.

The laboratory plays a major role in the *Ontario Wine Standards Program*, initiated by the industry to maintain and develop the quality of Ontario wines.

Research at Vineland Station continues to develop new varieties of wine and table grapes.

Research at Vineland Station continues to develop new wines and grapes. A research scientist reviews the data from the Vineyard Monitoring System.

Greenhouse Energy Conservation

Completion of Phase One of the greenhouse complex at Vineland will spur the development of energy conservation technology.

Adjoining greenhouses, serving as a demonstration project for commercial growers, were funded jointly by the Ministries of Agriculture and Food and Energy.

A combination of research and the new techniques adopted by growers has resulted in reductions of 15 per cent in heating costs of greenhouses.

Vegetable research suggests that sweet peppers have potential as an economic greenhouse crop.

Strawberries

A project to harvest Ontario strawberries by machine for processing has shown that a high quality frozen pack can be produced.

In 1983, two machines harvested berries from two hectares of solid beds in Blenheim and Simcoe areas. The response from several Ontario processing companies has been enthusiastic.

The goal is to replace 80 per cent of imported frozen strawberries, mainly from Mexico and Europe, with domestic product.

Holland Marsh Research

The Muck Research Station located on the rich soil of Holland Marsh continued its extensive testing and improving of cultivars adaptable to organic soils.

Station research into soil erosion shows that cover crops such as fall rye, barley and ryegrass can be used to reduce erosion.

It has also been demonstrated that water table control slows down decomposition of the soil's organic matter.

Storage trials showed that celery can be kept up to 112 days, and onions for 41 weeks and maintain reasonable quality.

Vineland Research

At Vineland Station, produce from the 1984 harvest will be evaluated in the new storage research facility. This program is aimed at extending market periods for Ontario growers to reduce imports.

A new screenhouse at Vineland increased production of elite strawberry plants by 50 per cent. The propagators of the program are now able to supply between 15 and 20 million plants to strawberry growers each year from the 60,000 elite plants supplied to them.

Simcoe Station

Research at the Simcoe Station has shown that broccoli can be grown successfully in southern Ontario to replace imports. During 1984, a production schedule was tested that would permit a grower to harvest a steady quantity of broccoli from mid-June to mid-November.

Planters at Holland Marsh with celery seedlings, transported from nearby greenhouses. The Muck Research Station is conducting trials into long term storage of celery.

RURAL ORGANIZATIONS & SERVICES BRANCH

New Programs For Young People

This fiscal year was the first of a joint 4-H program in Ontario combining the best of previous agricultural and homemaking programs.

A campaign to bring 4-H "Together Today for a Terrific Tomorrow" was carried out for the 23,092 4-H members and 4,914 4-H leaders in this province.

Five new Bicentennial 4-H projects were introduced on computers, personal financial management, fitness and nutrition, horticulture and quilting. A four-year rotation for agricultural lessons also was introduced.

A province-wide campaign, to bring together the best of 4-H programs, occurred for the first time this year under the banner "Together Today for a Terrific Tomorrow".

Leadership Development
The second year of the branch's leadership training program, *Rural Seminars for Vital People (RSVP)*, repeated its first year's success. The 26 seminars on the theme of communications drew 2,000 participants from some 25 different rural organizations.

Adult Education
About 44,000 people attended adult education courses at the local level on subjects such as wise money management, preparation of economical main dishes, favorites from the freezer, and microwave cooking.

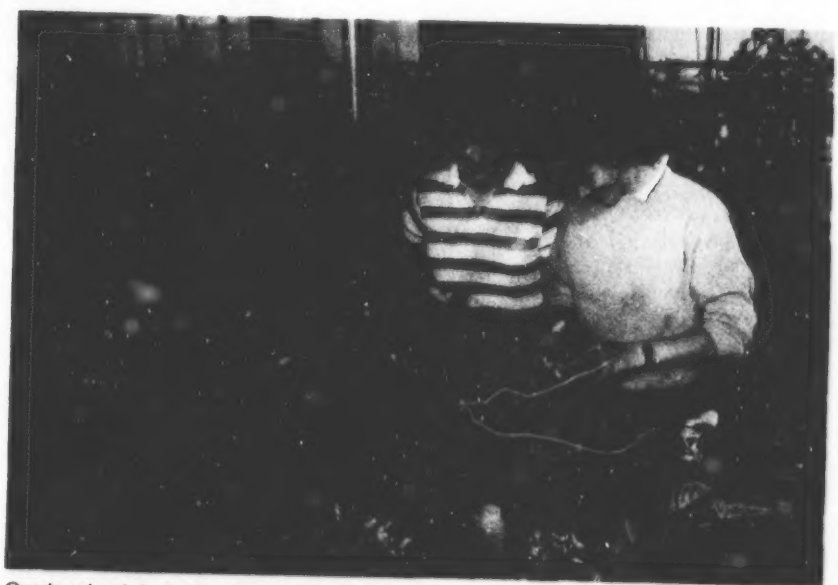
Student Education
In co-operation with the Ministry of Education, branch staff assisted in the development of the Grade 9 environmental science curriculum, "Food and Food Systems," for the 1985 school year. Plans were initiated to inform teachers of information available on agriculture, through resource catalogues, films, videotapes and newsletters.

Rural Organizations
Full field staff complement enhanced the close relationship between the ministry and rural organizations.

In co-operation with the Ontario Plowmen's Association, the ministry hosted the International Plowing Match and Farm Machinery Show which attracted 130,000 people to the Ottawa-Carleton region from September 27 to October 1, 1983.

Branch support in 1983-84 toward the 230 agricultural societies sponsoring fall fairs and exhibitions included $940,000 in grants, 100,000 brochures promoting agricultural fairs and 10 regional workshops for secretaries and treasurers. Local horticultural societies received more than $270,000 in ministry grants.

Two rural organizations received Summer Canada grants for new projects. With branch assistance, the Ontario Farm Vacation Association developed a farm tour program for school children and the Ontario Horticultural Association produced a community gardening resource book.



Grade school students soon will be learning more about agriculture and food as part of the school curriculum. These students are getting a head start.

ADVISORY & TECHNICAL SERVICES DIVISION

This division deals directly with farmers to help them identify their needs and opportunities for growth in their businesses and encourages farmers to adopt new technologies and to make sound management decisions.

The division offers financial and farm business management to farmers, producer organizations and agricultural supply industries.

Through this division, the Ministry of Agriculture and Food provides some of the most up-to-date laboratory testing programs and diagnostic information in the world to the province's farmers, the food industry, veterinarians and agricultural supply industries. These include laboratory services for the analysis of soil, feed, plant tissue and other organic material and veterinary laboratories that provide animal diagnostic services to both farmers and veterinarians.

AGRICULTURAL REPRESENTATIVES BRANCH

Farm Business Management Main Priority

With farmers facing cost-price pressures, the 'Ag Reps' Branch concentrated on programs to help farmers make decisions on the best uses of their assets.

The thrust of the branch was highlighted in nine *Management for Profit* seminars across Ontario, attended by 3,100 people. An introductory meeting provided the information to farm organizations, farm leaders and agribusiness.

Individual county offices then offered follow-up farm management meetings on a local basis. A total of 734 farm management meetings were attended by 36,192 people.

Farm business advisors presented 10 tax seminars to about 1,000 accountants and lawyers. Meetings at six locations for bankers interested in agriculture drew 600 participants.

The branch co-ordinated the presentation of 113 *Management of the Farm Business* courses for a total of 18,426 training days. The courses were prepared and presented by branch staff, colleges of agricultural technology and several community colleges. Sponsored by Canada Employment and Immigration, the courses were geared to area needs.

Branch staff provided local delivery of the *Ontario Farm Adjustment Assistance Program (OFAAP)* and the *Beginning Farmer Assistance Program* (BFAP). Both programs offer financial incentives to farmers to assist them through difficult times.

OMAF's first female Agricultural Representative, Phyliss McMaster, on the job. There are 54 Ag Reps, one per county, representing the ministry and counselling farmers.

ANIMAL INDUSTRY BRANCH

New Red Meat Program

Following the Minister's announcement of a new *Red Meat Plan*, in January, 1984, the branch worked on developing the *Red Meat Production Efficiency Programs* for beef cattle and sheep.

Branch members also participated in the "Future of the Industry Study" with the Ontario Pork Producers' Marketing Board. Staff helped develop a new code of practice for the humane handling of pigs in conjunction with Agriculture Canada and the Canadian Federation of Humane Societies.

The branch's 16 livestock specialists and three veterinary disease consultants conducted about 20,000 consultations with livestock producers and industry personnel.

They also organized 250 meetings and delivered addresses at 650 meetings, which drew 36,000 people.

The branch prepared more than 300 articles for newsletters, magazines, radio and television. A large *Record of Production* testing program involving cattle, sheep and swine was continued.

Swine Policy

The *Swine Herd Health Policy* enrolled 185 swine herds with 20,350 sows. About 2,500 post-mortem examinations were made on slaughtered animals from these herds to provide the basis for classification of herd health.

ODHIC The Ontario Dairy Herd Improvement Corporation received $2.6 million from the ministry in support of its programs.

Lunchtime for sheep. They wear tags to identify them in a computer controlled feed program.

There were 1,700 herds in the owner sampler plan and 2,300 enrolled in the supervised plan. In addition, a new AM-PM program was begun with an enrolment of 160 herds. The corporation aims to have 80 per cent of Ontario's milk producers on a milk recording program by 1990.

ROP

Under the beef *Record of Performance* program, 1,994 bulls from 411 breeders were tested — a 30 per cent increase over 1982. There were 238 herds enrolled in the herd test program. Under the swine ROP program, 190 breeders home-tested 13,965 boars and 39,062 gilts for backfat thickness and rate of gain.

Under the sheep ROP program, 305 breeders carried out home testing on 16,979 rams and ewes. Seventy-six breeders tested 431 rams at the ministry's stations in Arkell, Kemptville and New Hamburg.

Vet Assistance

The *Veterinary Assistance Policy for Designated Areas* provided $466,000 to support veterinary services to 18,675 livestock calls. In addition, a ministry-operated clinic in North Cochrane district made 471 calls.

Animals For Research

During the year, under the *Animals for Research Act*, 138 major research locations were designated on 82 registration certificates. There were 366 unannounced inspections to ensure adequate care was provided to research animals.

Inspections

About 1,000 unannounced inspections were made at 369 establishments licensed under the *Riding Horse Establishment Act* to ensure the animals received adequate care.

Another 1,015 inspections were conducted on 731 premises licensed under the *Livestock Medicines Act*.

Free Vaccines

There were 22,869 certificates filed for brucellosis calf vaccine during the year. The branch provides free supplies and vaccines for vaccination of heifer calves as part of the brucellosis control program.

Courses

The branch also conducted a dairy nutrition workshop, beef cow-calf courses and seminars for owners of riding horse establishments.

PLANT INDUSTRY BRANCH

Conserving The Soil

The branch focussed on soil conservation this year. A $25.5 million, five-year *Soil Conservation and Environmental Protection Assistance Program* was introduced.

The program is designed to assist farmers with the capital cost of installing soil conservation devices and manure storages. Losses due to soil erosion are estimated to cost Ontario agriculture $75 million annually.

The manure storage part of the program is aimed at retaining the nutrient value of manure and reducing runoff of phosphorus and other pollutants.

Branch Services

The soil management section of the branch provides training to ministry and other agency staff and to consulting engineers and contractors. Information is given to farmers about alternate tillage and cropping practices, through speeches, on-farm demonstrations and tours.

The Agriculture Energy Centre helps farmers develop energy-efficient production techniques and alternate energy sources.

The *Greenhouse Energy Efficiency Incentive Program* was introduced to assist growers with the cost of retrofitting greenhouses with energy-conserving technology. This is a $5 million, five-year program jointly funded by OMAF and the Ministry of Energy.

The agroclimatology section assists farmers, agribusiness and ministry staff in making decisions in which climate and weather play a sensitive part. Such decisions involve cultivar selection, crop adaptability and pest control strategies.

Producers of all crops grown in the province are also assisted in three other areas.

The soil survey unit prepares soil resource data and maps.

The plant industry services section administers the *Weed Control Act* in co-operation with local municipal weed inspectors and co-ordinates soil and plant-related publications.

The pest management section provides programs for growers of apples, peaches, grapes, onions and carrots with efforts to develop integrated pest management programs for field crops.

HIGHLIGHTS

The *Ontario Asparagus Incentive Program*, in its third year, has provided 257 applicants with help to plant 2,050 acres at a cost of $823,397.

The *Ontario Tender Fruit for Processing Tree Planting Assistance Program* is also administered by the branch. During the first three years of this five-year program, 231 applicants have been reimbursed $570,440 for the purchase of 100,928 clingstone peach trees and 31,351 Bartlett pear trees.

The branch also administers the *Ontario Elite Seed Potato Program*. This program provided 165 hundredweight of Pre-Elite, 341 cwt. of Elite I and 1,200 cwt. of Elite II grades of seed potatoes to the Ontario seed potato industry for planting in 1984. The direct cost of the program this year, including growers' grants, was $37,482.

A grassed waterway is one of the devices covered under the Soil Conservation and Environmental Protection Assistance Program.

AGRICULTURAL LABORATORY SERVICES BRANCH

New Lab To Take Over

Tenders were sought for service sampling programs for soil, feed and fruit leaf analyses and the contract was awarded to Agri-Food Laboratories, a newly-created division of Griffith Laboratories. The transfer of service from the University of Guelph to the new laboratory is planned for September 1, 1984.

The university, as part of its contract with the ministry, analyzed 93,236 samples of farm and garden soil, 10,300 samples of greenhouse media and 7,684 samples of feed. A total of 2,158, fruit leaf and grape petiole samples were analyzed by the Horticultural Research Institute at Vineland.

Pesticide Lab

The Pesticide laboratory continued to provide service to all Ontario government ministries. The lab received 12,341 samples which required 21,597 distinct analytical procedures.

The largest group was sampling for herbicides, followed by insecticides.

Laboratory staff helped prepare 35 scientific papers, reports or abstracts and made nine scientific presentations.

Pesticide Laboratory staff test samples, mainly for herbicides and insecticides, as well as prepare scientific papers and presentations.

VETERINARY LABORATORY SERVICES

Bigger Demand Met

Veterinarian and Pesticide Lab computers keep the labs' capabilities up-to-date.

The number of consignments to the veterinary laboratory services again increased in the fiscal year, indicating growing reliance on the service's six labs.

A total of 1,512,141 procedures were carried out on 405,249 specimens from 54,721 consignments, up from 52,533 the previous year.

The branch administers the *Poultry Health Program*, including the *Hatchery and Supply Flock Program* and the *Fur Farms Program*. It provides services to veterinarians, livestock owners and to other ministry programs.

Specimens were received from all species of livestock. The staff of 95 includes 26 veterinarians.

Consultations

In 1983, branch staff provided 4,500 office consultations, 22,700 by telephone and 80 in the field, to veterinarians, livestock owners and others.

Teaching

Lab staff at Kemptville, Huron Park and Ridgetown provided instruction in animal health to students at the colleges of agricultural technology. At Guelph, the professional staff of the branch, — most are associate faculty at the University of Guelph — provided instruction to both graduate and undergraduate students at the Ontario Veterinary College.

Meetings

Staff addressed, attended and took part in 315 veterinarian and livestock industry meetings from local to international levels.

Fur Farms

In 1983, the branch issued 305 licences for the production of 583,692 mink pelts and 3,665 fox pelts for a total value of $18,840,891.

The *Aleutian Disease Testing Program* focussed on identifying and eradicating infected ranch mink to prevent their distribution as breeding stock. A mink registry was developed to identify fur farms free of the viral disorder. During the year, 88 or 35 per cent of Ontario fur farms were tested.

This group's mandate is to develop and administer effective policies and programs aimed at strengthening Ontario's agricultural and food sector. It attempts to fulfill this mandate by reducing the risk factor and income

FINANCE & POLICY

fluctuations that are inherent to agricultural production and assisting agricultural producers to respond and adjust to changes in markets and demands.

The major farm income stabilization and farm assistance programs are therefore administered within this division.

FARM ASSISTANCE PROGRAMS BRANCH

Financial Help Provided

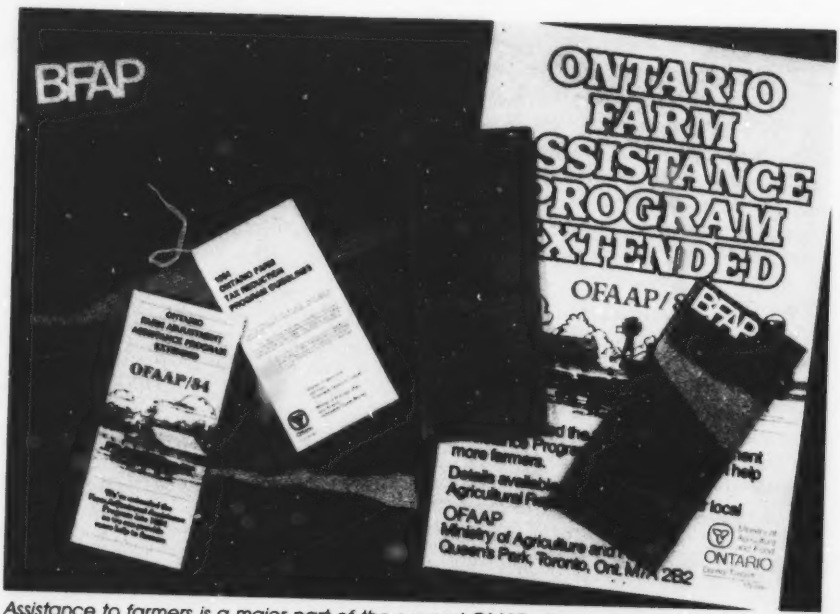
During the year, more than 1,600 farmers received loan guarantees under the *Ontario Farm Adjustment Assistance Program (OFAAP)*. This program, scheduled to end December 31, 1983, was extended to December 31, 1984 to help more farmers. The extension retained previous eligibility requirements.

Across-the-board financial assistance to farmers, in the form of loan guarantees, interest rebates, property tax rebates and compensation to livestock producers was the main activity of the branch in 1983-84.

Total expenditures for the *Ontario Farm Tax Reduction Program* during the fiscal year were $71,980,517. The program was enriched in the year by raising to 60 from 50 per cent the rebate of property taxes paid by qualified owners of property assessed as a farm.

The *Ontario Beginning Farmer Assistance Program (BFAP)*, introduced in May 1983, and made retroactive to January 1, 1983, approved 470 applications. Assistance is given to first-time farmers in the form of a rebate of interest on loans up to five per cent. Interest rebate payments totalled $112,604.

The *Ontario Young Farmer Credit Program* provides guarantees to lenders as a last resort of intermediate term credit for farmers between the ages of 18 and 35. In the fiscal year, 37 applicants received loan recommendations for a total of $1,486,995. The average loan was for $39,702.



Assistance to farmers is a major part of the support OMAF offers to agriculture. Posters and brochures help to ensure that everyone knows about new and improved programs.

Livestock

The branch administers 16 livestock programs. The major program, under the *Dog Licensing and Live Stock and Poultry Protection Act*, reimburses municipalities for compensation paid for livestock losses to wolves. Payments under the program amounted to $268,758 in the year. The *Rabies Indemnity Program* accounted for $215,521 compensation for animals killed by rabies. The remaining livestock assistance programs cost $290,242.

CROP INSURANCE AND STABILIZATION

Crops Hit Hard

A late, wet spring followed by a dry summer took its toll of Ontario crops in 1983. It was also one of the most severe hail seasons in the tobacco belt.

However, good fall weather rescued some crops to lessen farmers' claims on the insurance fund.

Despite beneficial harvest weather, there was a record of 10,582 claims for $30.4 million.

The largest claims were for tobacco, processing vegetables, soybeans and spring grain.

Payments of more than $30 million prove how important crop insurance was to Ontario farmers this year. Here, a crop insurance agent chats with a farmer.

The *Canada-Ontario Crop Insurance Program* covered 47 crops on 1.86 million acres and 30,964 contracts. The total insurance value was a record $486.1 million, with a premium income of $41.47 million.

The Government of Canada covered half, or $20.7 million, of these premiums.

Stabilization Plans

The Farm Income Stabilization Commission of Ontario made payments to producers of barley, corn, soybeans and white beans. The Ontario government's two-thirds share was $4.3 million.

The commission offers plans on a voluntary basis for apples, barley, corn, soybeans, white beans, winter wheat and sow-weaner pigs.

Stabilization payments are made on registered and eligible production when average producer returns fall below 95 per cent of the previous five-year average price plus changes in cash costs of production.

Participating producers are required to register expected sales and to pay fees equivalent to an estimated one-third of expected payouts.

STRATEGIC PLANNING

New Program Focus

The policy planning group assisted in developing both the *AgriNorth Strategy*, which will expand agriculture in Ontario's north, and the *Red Meat Plan*.

The latter is a $62.5 million, five-year program, announced January 5, 1984, to assist Ontario's ailing red meat industry.

The plan is aimed at providing long-term solutions by addressing the inefficiencies and inequities of the beef and sheep marketing systems and by developing initiatives to improve productivity and cost competitiveness in the industry.

Long-term financing options for the Ontario Crop Insurance Fund were examined.

Computers

In the second area of responsibility, Financial Information Systems proceeded with the development of its new computerized financial information and budget control system, known as IPACS.

The IPACS system provides senior management with more timely information to improve the ministry's decision-making process.

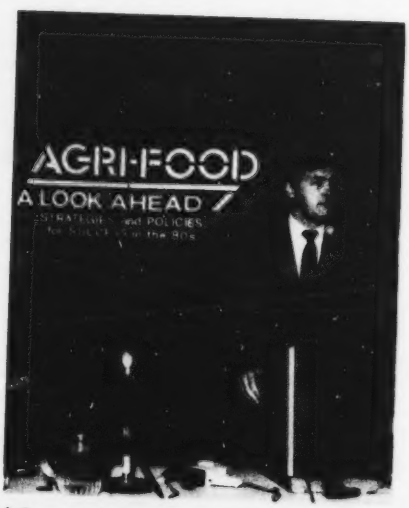
Financial Information Systems has overall ministry responsibility for expenditure planning and management.

Liaison

The third area of responsibility is Central Agency Liaison. The Outside Agency Liaison Unit is concerned with co-ordination of the ministry's activities with Cabinet committees, outside bodies, briefing material, questions from the House, and follow-up procedures.

ECONOMICS BRANCH

First Outlook Conference



A few words from the Minister opening OMAF's first all-sector conference to look at the industry's future.

The ministry's first annual economic outlook conference, organized by the branch, was held on October 25-26, 1983. The conference outlined prospects for the agri-food sector for the rest of this decade.

Throughout the year, policy advisors of the branch examined a multitude of issues to assist in developing ministry positions. These included tripartite stabilization debates, farm credit proposals such as agribonds, the Crow's Nest Pass grain freight rates, the allocation of overbase quota in the feather industries and Section 31 of the Income Tax Act as it affects farmers.

Papers on Section 31, agribonds and tripartite stabilization were released after the agriculture ministers' conference in July, 1983.

International trade issues were monitored more intensely because of increased tendencies toward protectionism.

Economic Information

The Economic Information Unit publishes agricultural statistics, broadcasts daily farm market news and provides farm financial information and financial analysis.

During 1983, the unit directed the quinquennial pesticide use survey in the Great Lakes Basin. It overhauled the mailing lists of its regular publications, in which it publishes estimates of crop, livestock and dairy production and farm income estimates.

Cost studies were published for growing apples, white beans, strawberries, fresh-market tomatoes, cabbages and cauliflower, and for beef feedlots. Current farm rental arrangements and custom farmwork rates were released.

The Farm Market News Service provided about 3,250 broadcasts on selected Ontario commodities, covering prices, supply, demand and crop conditions. During the summer, a special pick-your-own fruit and vegetable report and a weekend crop condition and outlook report were aired weekly.

MARKETING DIVISION

This division attempts to hold and strengthen all elements contributing to Ontario's agricultural and food-based economy by building on the current domestic and export commodity market base and by promoting the maximum value-added to commodities through food processing.

Through its export section, the division is working to expand and penetrate existing and new foreign markets for Ontario's food and agriculture industries. *Foodland Ontario* will continue to be the main vehicle to develop the domestic market through reinforcing Ontario food quality and through eroding imported foods' share of market.

The division also plays a leading role in adjudicating disputes between producer and processor interests and in representing Ontario's collective interests in the area of regulated marketing, both provincially and nationally.

Finally, in conjunction with the government's BILD program, the division administers financial assistance to growers and processors, based on the long-term needs of a viable agriculture and food industry.

FARM PRODUCTS MARKETING BRANCH

New Plan Added

A new marketing plan, to set prices and quotas for broiler and roaster hatching eggs, was established during the year under the *Farm Products Marketing Act*.

The formation of the Broiler and Roaster Hatching Egg and Chick Commission brings to 25 the number of marketing plans in Ontario. Twenty-three are supervised by the Farm Products Marketing Board and two, dealing with milk and cream, by the Milk Commission of Ontario. Both bodies are administered by the branch.

About 50 commodities with an estimated farm value of $2.76 million were covered by marketing plans in Ontario in 1983-84.

No claims were made on the *Fund for Milk and Cream Producers*, administered by the Milk Commission, for the protection of dairy producers against payment default by dairy processors. This left a balance at the end of the fiscal year of $1,291,284 in the fund.

PRODUCER PROTECTION

Of 17 claims against the *Livestock Financial Protection Fund*, five were paid for a total of $68,938. But $30,000 was recovered from security posted with the administrator. This left a balance of $1,559,367 in the fund, at year's end.

Details of the new *Processing-Vegetable Financial Protection Program* were developed in the year. The program protects growers should processors default on payments. It became effective on March 15, 1984 to cover 1984 crops.

The branch also worked with industry representatives in developing proposals for a new *Grain Elevator Storage Act*.

Deputy Minister Clayton Switzer presents retailer award to Doug Booker and his employees for his outstanding support of the Foodland Ontario promotion in his New Hamburg store.

MARKET DEVELOPMENT

Ontario Food Goes Farther

Seventeen trade missions and five trade fairs sponsored by the ministry resulted in 188 Ontario food companies visiting 36 different destinations during the year. Fifty of these companies had not exported before.

The trade missions to sell Ontario food products resulted in more than $80 million in new export sales during the year. Ontario's agriculture and food export sales have reached $1.6 billion, second only to autos and auto parts.

About 60 per cent of the agri-food exports went to the United States. The rest were sold in Europe, the Middle and Far East, Latin America and the Caribbean.

The breakdown was pork, 8 per cent of total exports; grain corn, 7.1 per cent; furs, 6 per cent; soybeans, 2.7 per cent; tobacco, 7.6 per cent; beer, 3.9 per cent; whiskey, 13.9 per cent; grocery products and miscellaneous 50.8 per cent.

In the Middle East, Agriculture and Food Minister Dennis Timbrell personally attended the Middle East Food Exhibition and promoted Ontario products in Saudi Arabia.

Soybeans are a growing export crop, particularly to Far East countries which send buyers to Ontario to see for themselves how outstanding the crop is.

A new initiative was participation in the United Fresh Fruit and Vegetable Show in Dallas, Texas.

The ministry's grain corn mission to the United Kingdom resulted in the first unified approach to promoting the Ontario product to the distilling industry in Scotland.

The ministry also made reconnaissance missions to seek potential markets in West Africa, China and Latin American countries.

In addition to sending missions abroad, the ministry hosted 16 visiting delegations, including 36 companies from 21 countries.

Assistance Offered

The Market Development Export section provided, through its *export sales aid program*, $125,000 in financial assistance to 21 Ontario companies and marketing boards.

This assistance pays up to half the cost of producing export brochures, printing labels in a foreign language and reformulating products to comply with import requirements.

The domestic Market Development section continued and broadened the *Foodland Ontario* campaign to make consumers even more aware of the high quality of Ontario-grown food.

Increased emphasis was given to processed food products with the introduction of an "Ontario Prepared Meats" campaign. Juices, frozen vegetables, winter vegetables and fresh produce were also promoted.

Television, radio, newspaper and magazines were used to show what Ontario farmers have to offer.

The first annual retailer awards program was established to recognize the efforts of food retailers in promoting Ontario products on a year-round basis.

In addition, highway produce markets were set up in central and eastern Ontario to sell more Ontario food products.

FOOD PROCESSING BRANCH

Fewer Imports, More Exports

The branch initiated a major review of the vegetable processing industry in eastern Ontario as a first step in developing a long-term strategy for increased processing of vegetables in the area.

The branch's mandate is to help develop more value-added processing in Ontario agricultural products to replace imports and to encourage exports.

Under the *BILD Food Processing Assistance Program*, the branch co-ordinated $1.1 million in government assistance to the food processing industry in 1983-84.

The program has committed $13.3 million in grants and loans to processing companies to the end of the fiscal year. This assistance has levered more than $68 million in capital investments from the private sector in plant modernization and expansion.

The branch played an active role in the development, co-ordination and administration of the ministry's *Red Meat Plan*.

The *Processed Strawberry Import Replacement Research Program* continued its efforts to displace imported frozen strawberries as much as possible with the domestic product.

A demonstration at the official opening of Strathroy Foods which will process not only corn but a variety of Ontario-grown vegetables.

QUALITY & STANDARDS DIVISION

In Ontario, a rigorous effort is being made to ensure that the wholesomeness of food products is maintained. The Ministry of Agriculture and Food takes the lead in this drive for quality assurance through this division.

Among the several goals which are paramount, none is more important than consumer protection and this includes the protection of human health. Toward that end, the provision of wholesome agricultural products is made possible through regular ministry inspections of farms and food processing plants and through laboratory analysis for bacteria, antibiotics and other substances.

The division also plays a role in protecting the financial interests of producers through making determinations to establish the basis of payment for certain agricultural products or through financial protection programs.

Quality is the key to effective marketing. Although assurance of quality is achieved mainly through inspection, the enforcement of grade standards also provides both producers and consumers with a valuable service. In the case of producers, payment for certain commodities is based on grades; in the case of consumers, grading results in the availability of standardized products.

Through the extension and consultation of ministry inspection staff in the field, an important contribution is made in developing a more knowledgeable industry and consumer, which must be one of the bulwarks against diminished quality and standards.

DAIRY INSPECTION BRANCH

Milk Quality Improved

Farm Section: Milk and Cream Quality Program

Raw milk temperatures are critical to milk quality. To maintain quality, a new program of tagging farm bulk tanks whose temperature at time of pick-up was more than 4 degrees Celsius was started in March, 1984.

The program is charged with improving the quality of raw milk and cream for processing. This is done through farm premises inspection, follow-up calls checking substandard milk quality and laboratory analysis of raw milk sold to processing plants.

Penalties against producers continued to decline as milk plants increased their surveillance of inhibitory substances.

Cream assistance from BILD during the year for the purchase of milk containers, cream processing equipment and farm coolers totalled $48,500.

The new Ontario Central Milk Testing laboratory is touted as being the most highly mechanized milk quality testing facility in the world.

Plant Section

About 190 plants were inspected and given assistance on technical problems. Audit staff verified milk utilization in dairy plants to ensure that milk and cream producers were paid properly.

Licencing

The branch issued more than 2,000 licences and certificates under the Milk Act for processing plants, distributors and dairy workers. Permits were also issued to build new plants or to alter old ones.

Laboratory Section

A new laboratory in Guelph has been designed to be in operation in January 1, 1985. The lab incorporates the latest technological equipment for the testing of all fresh milk produced throughout the province.

The Central Milk Testing Laboratory tests all composite milk samples for producer payment and processor billing. In addition, consumer packages of beverage milk from all licensed plants were analyzed twice monthly for flavor, composition and package fill.

Every producer's milk was tested on a regular basis for bacterial content, antibiotics, somatic cells and added water.

Somatic cell and milk composition standards were prepared and shipped quarterly to customers in more than 90 laboratories, generating $97,000 in revenue.

FRUIT AND VEGETABLE INSPECTION BRANCH

From Vine to Table

Grading

More than 35,000 inspections of fresh fruit, vegetables, honey and maple products were carried out in the year.

Along with this work, 15 grading and testing programs were provided for the processing fruit and vegetable and tobacco sectors. These cost-recovery programs generated revenue of $751,617 and provided a means of determining the payment for crops worth more than $400 million while ensuring quality.

Increasing provincial apple production resulted in more controlled-atmosphere apple storage inspections. Inspectors sealed 205 storages containing more than two million bushels of apples.

Fruit inspector Earl Armstrong in the field checks for the presence of apple maggots.

OSPAP

The branch administers *Ontario Storage and Packing Assistance Program* which provided grants totalling $3.1 million to 210 fruit and vegetable producers and packers during the third year of its operation.

Bees

Apiary inspectors examined 39,949 colonies of bees for American Foul Brood, which was found in 535 colonies.

Containers

The *Farm Products Containers Act* was amended during the year. A new regulation was instituted to improve the ability of the Ontario Fruit and Vegetable Growers' Association to sustain itself financially. The association collects its fees from producers.

LIVESTOCK INSPECTION BRANCH

Ensuring Livestock Quality & Protection

Community Sales

All livestock community sales in the province are licensed. Sale facilities must comply with structural and sanitary requirements. Sale operators are bonded to protect those who ship cattle to the sale barn.

To protect livestock health, all animals are inspected by veterinary inspectors before being offered for sale. Some 60 licensed community sales conducted 2,651 sales of 1,518,084 animals in 1983.

Producer Protection

The *Ontario Beef Cattle Financial Protection Program* protects sellers from default of payment by livestock dealers. During the year, 489 licensed livestock dealers were required to demonstrate financial responsibility, pay promptly for the cattle purchased and submit fees.

Buyer, seller and where applicable, an agent, each pay 20 cents per head to the *Livestock Producers Financial Protection Fund*, which pays 90 per cent of a seller's claim in the event of a financial default.

Meat Inspection

There were 301 plants licensed under the *Meat Inspection Act* in 1983. Meat inspection service is provided in these plants to protect public health and ensure consumer confidence. During the year, 1,041,650 red meat carcasses and 8,219,014 poultry carcasses were inspected and "Ontario Approved". Suspect animals are tested for inhibitory substances (antibiotics) and are condemned when antibiotics are found.

The *Dead Animal Disposal* program protects the public from being sold meat from animals that have died from diseases or causes other than slaughter. The program helps prevent the spread of animal disease and contributes to the protection of the environment.

Polly Pletch is one of the women who belong to a team of 136 meat inspectors in the province.

INVESTIGATIVE UNIT

During the year, 175 charges were laid for offences against the various Acts administered within Quality and Standards Division.

The Investigative Unit is engaged in the primary enforcement of the *Dead Animal Disposal Act*, the *Oleomargarine Act*, the *Edible Oil Products Act and the Live Stock and Live Stock Products Act*. Investigations are conducted into suspected violations of the Meat Inspection Act which along with the *Dead Animal Disposal Act* is designed to protect the food people eat.

The unit is called upon by various branches of the ministry to investigate applicants suspected of fraud in connection with applications for financial assistance and claims for crop insurance. As a result of these investigations, 10 fraud-related charges were laid.

FOODLAND PRESERVATION & IMPROVEMENT DIVISION

The Foodland Preservation and Improvement Division was established in April 1982 to unite those ministry units working to preserve and improve the province's agricultural land base. It is served by an administrative support unit.

The Foodland Preservation Branch's major responsibility is the implementation of the Food Land Guidelines, the Ontario government's policy for the preservation of prime agricultural land. Municipalities are expected to adopt the provisions of this policy in their official plans and to give priority to the protection of farmland when making land use planning decisions. The branch also applies the guidelines to development proposals for major public facilities such as highways, hydro corridors, pipelines and waste disposal sites.

To improve agricultural land, government legislation enables the Capital Improvements Branch to make drainage grants available to Ontario municipalities and to oversee the lending of money to farmers for drainage by municipalities. As well, programs administered by the branch assist farmers with specific needs such as housing for seasonal workers, access to community pastures and the replacement of apple trees destroyed by frost. A farmland use and drainage inventory was also undertaken.

FOODLAND PRESERVATION BRANCH

Preserving Prime Farmland

Review

A complete review of the Food Land Guidelines was initiated to develop a new *Foodland Preservation Policy Statement* to be issued under the Planning Act. In addition, a comprehensive review of the Code of Practice was undertaken.

During the year, the branch reviewed the following land use planning and development proposals for compliance with the guidelines:

Fifty-one official plans, 403 official plan amendments, 120 plans of subdivisions, 159 zoning by-laws, 16 zoning order amendments, 4,180 severance applications, 14 municipal annexations, 40 Niagara Escarpment Commission permits, 36 gravel pit licence applications, 15 Ontario Hydro projects, three sewage treatment and five waste disposal facilities, 21 highway construction proposals, 12 pipeline proposals and 14 proposed sites for a dome stadium in the Metro Toronto area.

Branch staff served as expert witnesses at 59 Ontario Municipal Board hearings to support compliance with guidelines and reviewed 17 OMB decisions which were petitioned to Cabinet.

Staff also provided expertise on the Parkway Belt Steering Committee, the Niagara Escarpment Plan, the Ontario Pipeline Co-ordinating Committee and on-site selection for industrial waste disposal facilities.

Ministry staff specialists evaluate land use proposals for their impact on agriculture.

Foreign Ownership

The branch, responsible for monitoring the extent of non-resident ownership of farmland, found there was a significant decrease this year in the amount acquired by non-residents, compared with previous years. Total non-resident ownership of Ontario's agricultural land remains at about one per cent.

CAPITAL IMPROVEMENTS BRANCH

New Apple Tree Program

Tree Replant

The *Eastern Ontario Apple Tree Replanting Program*, run by the branch, was announced by the minister on July 12, 1983. The program assists growers to cover costs in replacing trees killed by winter frost in 1980-81. Total budget is $860,000 over three years.

The branch allocated the entire $200,000 budget during the fiscal year.

Seasonal Housing Aid

The *Ontario Seasonal Housing Assistance Program* was extended for two years under the federal-provincial *Agricultural Employment Development Agreement*. In the year, $900,000 was paid to 176 farmers to help them provide approved housing for seasonal workers.

Junior Farmers

A total of 2,860 mortgage loans to farmers, with a value of $41 million remain in force from the *Junior Farmer Establishment Loan Corpora-*

tion which ended in 1969. Eighty-two loans were discharged during the year.

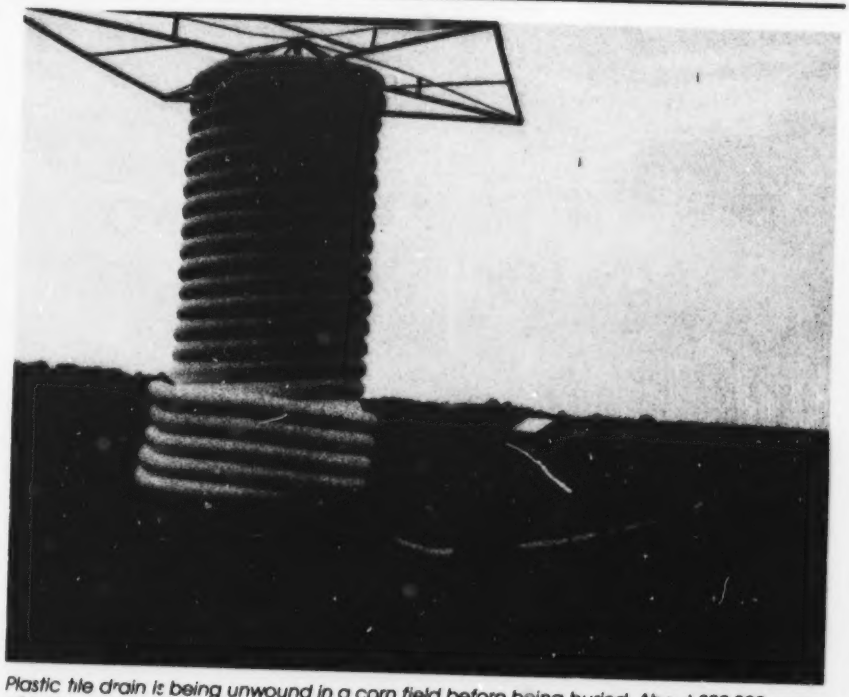
Community Pastures
Under the *Community Pastures Program*, 5,150 cattle were carried on the 12 pastures in operation to help small-scale livestock farmers.

Agricultural Mapping
The branch completed the mapping of the *Agricultural Resource Inventory* which shows farmland use and tile drainage. Information is mapped on a township basis. The maps are available from the branch. The information is being computerized.

Drainage Grants
The branch continued a major part of its work in making drainage grants available to municipalities. The Ontario Drainage Tribunal settled 52 complaint cases during the year.

Under the *Tile Drainage Act*, 3,424 farmers received loans totalling $23,761,900 during the year. The municipalities lend money to farmers at low interest rates and issue debentures to the Treasurer of Ontario. Two branch inspectors made 482 spot-check inspections on drainage contractors.

The branch also conducted two educational courses for 88 machine operators.



Plastic tile drain is being unwound in a corn field before being buried. About 200,000 acres of land are tiled each year in the province.

Federal-Provincial Assistance
The branch also administers Canada-Ontario Economic Agreements that relate to agriculture. The *Eastern Ontario Subsidiary Agreement* of 1979 designated $14 million for agriculture and has been used for programs such as the *Municipal Outlet Drainage Program*. The *Northern Ontario Rural Development Agreement* provided $4.7 million to improve or expand the farmland base, demonstrate new technology or develop markets for local produce.

COMMUNICATIONS

COMMUNICATIONS BRANCH

International Recognition

In an effort to measure its product against the market, the Communications Branch entered several competitions and won seven national and international awards.

OMAF provides the full range of information services on ministry activities through print publications, radio and television productions, film features, exhibits and audio/visual materials.

Radio services have been especially recognized, with four major awards in 1983-84. This service features stories of topical interest for syndication to Ontario radio stations. Three of the awards came from Agricultural Communicators in Education (ACE), an annual competition that receives entries from Alaska to Mexico.

In this international competition, OMAF won the highest "Superior" award for a short news piece while a public service announcement and a major feature copped "Excellent" awards. The fourth radio award was from the International Association of Business Communicators (IABC), a major U.S./Canada association of communicators.

Promoting farm safety also won the ministry "First Prize" from the Eastern Canada Farm Writers for a film feature called "Life and Limb". The Soil Conservation Society of America selected one of the branch's documentaries on soil erosion, "Land, Our Last Resource", for an Award for Outstanding Contribution to Erosion Control. Finally, a media kit garnered an Award of Merit from the Canadian Farm Writers' Federation.

Technical Publications
The publications unit of the branch processed 146 manuscripts during the year. About 875 separate technical publications are now available.

Television Service
The television service produced a weekly show "Town and Country Ontario," on CHCH-TV Hamilton for broadcast in southern Ontario. Also commencing in this period, a weekly show for Mid-Canada (CBC) in Sudbury, North Bay, Timmins, Pembroke and Ottawa covering most of northeastern Ontario.

Four hundred and eighty eight news and feature programs were produced and distributed to 20 independent Ontario TV stations. In support of the ministry's extension, education and Rural Organization Services projects, 324 video tapes were produced.

Video production assistance was provided to other Ontario government ministries and agencies as well.

The Communications Branch mounts educational exhibits at 14 major fairs every year for OMAF, including this one at the Royal Agricultural Winter Fair. It is as popular with the young as with adults.

Press/Radio

Thirty-eight Ontario radio stations broadcast the tapes and live radio programming produced by this unit.

Programs include: "Agri-Pulse" (a contemporary farm show), "Table Talk" (consumer features), "Farm News" (timely farm news items), "Growing Together" (gardening features), "Farm Safety" (public service spots) and Fast News (live radio news reports).

This unit also produces feature stories for the OMAF News publication and a number of media kits annually such as the one for the International Plowing Match and Farm Machinery Show.

Motion Picture Production

"Life and Limb", a 15-minute documentary produced in the interests of promoting farm safety in the province premiered at the 1983 Plowing Match.

This motion picture explored the accident histories of five Ontario farm people, related by the victims involved. These personal testimonies, combined with powerful dramatizations of the accidents, made this presentation a moving experience. Fifteen prints are in constant circulation to Ontario schools, Agricultural Colleges, Farm organizations and the Farm Safety Association of Ontario. Four prints of this motion picture were immediately purchased by the Government of Alberta and at the request of the CBC's Agriculture and Resources Department, was broadcast on the weekly show, "Country Canada" reaching, on that occasion, a documented national audience of 480,000 viewers.

"Proud Beginnings", an historical documentary celebrating Ontario's Bicentennial with an intimate look at six 200 year-old farms in this province, was still in post-production when a seven-minute preview film was prepared for continuous showing at the Royal Agricultural Winter Fair in anticipation of that film's release in the late spring of 1984.

Exhibits

The branch's exhibit service presented ministry educational exhibits at 14 major fairs and exhibitions during the year and sent portable exhibits to ministry staff and others for 442 showings at 215 different events through the province such as conferences, shopping mall food promotion weeks, fall fairs and similar events.

Audio/Visual

Professional photographers and darkroom facilities provide black and white, color and transparency photography. The photographers handled more than 300 assignments in support of the ministry's promotion, teaching and extension programs. In addition, films, video tapes and slide sets produced by OMAF were aired on TV Ontario, cable system stations as well as on agricultural programs on commercial TV stations.

APPENDIX I - 1

DAIRY INSPECTION BRANCH
MILK QUALITY PROGRAM

Raw Milk Quality — On December 31, 1983 there was a total of 11,064 producers producing milk (GROUP I — 9,847; GROUP II — 1,217). All milk produced had to meet the same Grade A quality standards.

Bacteria Count x 1000	0-9	10-19	20-49	50-74	75-99	100
Number	63,724	30,240	23,928	5,309	2,671	6,119
Per cent	48.3	22.9	18.1	4.0	2.0	4.6

The Somatic Cell Count measures the number of somatic cells or leucocytes in milk. The provincial average for 1983 was 410,750 cells/ml of milk.

Somatic cell Count x 1000	0-299	300-499	500-799	799
Number	44,365	47,713	25,558	6,739
Per cent	35.6	38.4	20.6	5.4

Test for Inhibitors — Each producer's milk is tested once a month for inhibitors. In addition, most loads of milk are checked by plants. The producer samples on loads suspected of containing inhibitors are also checked. Only 313 samples or 0.237 per cent were found to be positive.

Added Water — The milk of every producer is routinely monitored for added water. A total of 489 samples suspected of containing added water were rechecked by a follow-up procedure and 98 were found to contain added water.

APPENDIX I - 2

NUMBER OF QUALITY PENALTIES

		January - December 1983
Bacteria penalties	$1.00/hl	1090
	$3.00/hl	341
	$5.00/hl	139
Inhibitor penalties	$2.00/hl	245
	$4.00/hl	37
	$6.00/hl	6
Added water penalties	$8.00/hl	1
	$2.00/hl	95
	$4.00/hl	22
	$6.00/hl	3
	$8.00/hl	1

APPENDIX I - 3

LICENCES ISSUED JUNE 1, 1983 to MAY 31, 1984

Fluid	Number
Processor-distributor	72
Non-processor-distributor	185
Agent distributor	316
Warehouse-distributor	18
TOTAL	591
Types of Manufacturing Plants	
Creameries	28
Cheese factories	54
Concentrated (including fluid by-product)	61
Ice-cream manufacturing	32
Milk receiving	18
Reprocessing and packaging	16
TOTAL (190 plants licensed)	209
Wholesale oleomargarine	167
Manufacturers of oleomargarine	10
Wholesale edible oil products	79
Manufacturers of edible oil products	15

APPENDIX I - 4

CENTRAL MILK TESTING LABORATORY

WORK LOAD (April 1, 1983 - March 31, 1984)

Description	Number of Samples	Number of Analyses
TESTING UNDER 3-PARTY AGREEMENT		
Official composite samples	264,314	792,942
Repeat tests	22,741	68,223
Preparation and testing of calibration milks (in lab use)	6,356	19,068
Preparation and testing of control milks (in lab use)	7,645	22,935
Preparation and testing of standard solutions	7,868	23,604
Statistical repeats	11,814	35,442
Service samples	10,433	31,299
Milk fat (Mojonnier test)	1,915	1,915
Protein (Kjeldahl test)	1,683	1,683
Lactose (polarimetric)	1,583	1,583
Freezing point	34,428	34,428
Turbidity tests	747	747
Phosphatase tests	485	495
Random samples	604	604
Preparation and testing of calibration samples for research, U of G, dairy plants and DHIC laboratories	38,114	38,114
Babcock tests	0	0
Standard comparison samples prepared	1,440	1,440
Acid degree determinations	599	599
Special requested miscellaneous samples (fat, protein, lactose)	1,438	1,438
Other samples tested	7	21
Goat milk samples & miscellaneous tests	1,030	3,090
Special calibration samples for a fee	120	0
Sub total	415,364	1,079,660
TESTING FOR REGULATORY FUNCTIONS		
Package milk products	8,820	8,820
Freezing point	6,690	6,690
Density	116	116
Total solids	551	551
Milk grade tests	4,644	4,644
Delvo tests	128	128
Cottage cheese grade tests	143	143
Electrophoreses — goats milk	0	0
Coulter counter	134,968	134,968
Micro biological tests	170	170
Somatic cell control	305	305
Calibration samples for Coulter counter	5,002	9,450
Sub total	161,537	165,985
TOTAL	576,901	1,245,645

APPENDIX II - 1

FRUIT & VEGETABLE INSPECTION BRANCH
SUMMARY OF REVENUE

LICENCES	1982/83	1983/84
Controlled atmosphere storage	$ 988	$ 991
Nursery operators and dealer's	189	192
Produce dealers	12,275	12,404
TOTAL	$ 13,377	$ 13,587
GRADING SERVICES		
Apple	$ 7,075	$ 7,476
Asparagus	5,002	3,717
Bean (Green & Wax)	12,925	8,432
Cherry	32,929	24,595
Cucumber	3,190	2,674

GRADING SERVICES	1982/83	1983/84
Grape (juice)	795	506
Grape (wine)	20,072	22,934
Lettuce	2,751	7,909
Pea	4,054	2,151
Potato	28,830	41,360
Tobacco (burley)	8,056	6,462
Tobacco (flue-cured)	18,266	22,057
Tomato	622,737	601,344
TOTAL	$767,925	$751,617
INSPECTION CERTIFICATES	$2,894.11	$3,528.25

APPENDIX II - 2

ONTARIO APIARY INSPECTION AND REGISTRATION FOR 1983

COUNTY	INSPECTION			
	APIARIES		COLONIES	
	Inspected	Diseased	Inspected	Diseased
ALGOMA	27	-	111	-
BRANT	70	5	516	8
BRUCE	17	2	201	2
COCHRANE	-	-	-	-
DUFFERIN	45	6	551	10
DUNDAS	20	2	451	2
DURHAM	145	8	1261	18
ELGIN	90	9	944	11
ESSEX	94	1	625	3
FRONTENAC	25	-	169	-
GLENGARRY	12	1	114	1
GRENVILLE	106	9	971	16
GREY	150	8	1142	31
HALDIMAND-NORFOLK	122	1	2101	4
HALIBURTON	24	-	71	-
HALTON	58	3	498	18
HAMILTON-WENTWORTH	91	8	3063	18
HASTINGS	167	-	1319	-
HURON	61	11	645	53
KENORA	-	-	-	-
KENT	50	3	289	30
LAMBTON	10	3	208	7
LANARK	137	8	1584	10
LEEDS	79	2	653	3
LENNOX/ADDINGTON	67	-	463	-
MANITOULIN	26	1	74	3
MIDDLESEX	164	7	1242	41
MUSKOKA	-	-	-	-
NIAGARA	190	6	2181	6
NIPISSING	8	-	42	-
NORTHUMBERLAND	215	8	1760	15
OTTAWA-CARLETON	200	6	2225	8
OXFORD	64	10	475	21
PARRY SOUND	20	-	173	-
PEEL	66	5	601	16
PERTH	74	9	662	16
PETERBOROUGH	62	1	606	3
PRESCOTT	23	-	406	-
PRINCE EDWARD	81	12	916	20
RAINY RIVER	15	-	235	-
RENFREW	53	13	764	28
RUSSELL	63	8	466	19
SIMCOE	122	1	1272	1
STORMONT	44	3	633	29
SUDBURY	37	4	171	20
THUNDER BAY	56	-	463	-
TIMISKAMING	20	2	289	5
VICTORIA	150	6	1759	9
WATERLOO	142	8	1254	21
WELLINGTON	40	1	401	3
YORK	266	5	2929	6
TOTAL	3868	206	39,949	535

APPENDIX III - 1

LIVESTOCK INSPECTION BRANCH
SUMMARY OF RED MEAT CARCASSES — 1983

Steers	65,459
Heifers	67,240
Cows	11,908
Bulls	7,708
Calves	61,815
Market hogs	316,803
Sows	7,070
Boars	5,610
Stags	327
Ridglings	459
Sheep	26,933
Lambs	79,385
Goats	14,616
Other (buffalo, deer, etc.)	58
Rabbits	376,259

APPENDIX III - 2

SUMMARY OF POULTRY CARCASSES — 1983

Chickens	7,217,873
Fowl	443,498
Turkeys	88,644
Ducks	14,746
Geese	21,246
Quail	419,530
Pheasants	11,695
Pigeons	1,590
Cornish Hens	98

APPENDIX III - 3

COMMUNITY SALES
JANUARY 1 - DECEMBER 31 — 1983, 1982 & 1981

	1983	1982	1981
Cattle sold for slaughter	332,746	329,527	337,279
Cattle sold back to country	304,816	317,748	320,885
Calves	203,502	200,873	194,934
Hogs	618,207	641,941	794,399
Horses	6,140	6,803	6,140
Sheep and goats	52,673	50,353	42,119
TOTAL ANIMALS	1,518,084	1,546,582	1,696,419
Licences issued	60	67	69
Special licences	48	44	40
Sales conducted	2,651	2,796	2,991

APPENDIX III - 4

DEAD ANIMAL DISPOSAL ACT
NUMBER OF DEAD ANIMALS COLLECTED — 1983 & 1982

	1983	1982
Cattle	38,733	41,442
Calves	76,960	74,435
Horses	2,470	2,237
Swine	104,546	98,929
Sheep & lamb	3,731	4,642
Goats	840	952
Other	826	539

APPENDIX IV

PROVINCIAL PESTICIDES RESIDUE TESTING LAB

Distribution of Samples Analysed
for Ontario Government Ministries 1983-1984

	Ont. Agriculture & Food Internal	Joint Studies University & Canada	Natural Resources	Environ-ment	Health Transportation Communication Ontario Hydro
Animal Origin					
Insecticide	1442	908	113	9	258
Fungicide	31	0	0	2	0
Herbicide	32	0	0	5	6
Organo-pollutants	800	1,087	108	3	378
Inorganics & Butter	0	374	10	0	1
Sub total	2,305	2,369	231	19	643
Vegetable Origin					
Insecticide	783	1,280	0	30	0
Fungicide	1,455	802	0	22	0
Herbicidea +Mil	+2,475	39	39	505	28
Organo-pollutants	7	0	0	2	0
Inorganics	575	0	4	0	0
Sub total	3,307	2,112	43	559	28
Mineral Origin					
Insecticide	781	85	0	376	1
Fungicide	66	5	0	45	0
Herbicide	3,572	82	343	908	285
Organo-pollutants	52	4	0	2	0
Inorganics	265	19	0	49	0
Sub total	4,736	195	343	1,380	286
Food Quality					
Margarine & Butter	1,044	0	0	0	0
Grand Total	13,380	4,685	617	1,958	957
Sample Submission	7702	2,639	379	1,267	356

APPENDIX V

AGRICULTURAL REPRESENTATIVES BRANCH

GENERAL PUBLICITY

In addition to the individual and group contacts, the Agricultural Representatives Branch is also involved in disseminating information by mass media.

Press releases	1,405
Special press releases	1,164
Radio broadcasts	1,274
Television	79
Newsletters	899
Brochures distributed	120,547
Factsheets distributed	348,726
Bulletins distributed	472,413

SUMMARY OF CONTACTS 1983/84

TOPICS	INDIVIDUAL CONTACTS				GROUP CONTACTS	
	Farm Visits	Office Visits	Telephone Contacts	Other	No. of Groups Contacted	Attendance at Group Meetings
Farm business management	3,309	8,194	22,326	1,448	734	36,192
Livestock management						
Dairy	2,649	3,258	11,525	940	868	67,982
Beef	1,459	3,551	6,323	729	506	33,274
Swine	491	1,329	3,123	333	208	12,569
Other	759	1,977	4,414	523	109	7,883
Soil and crop management	5,501	14,366	32,712	1,658	819	46,510
General extension activities	4,471	23,253	58,210	2,593	2,638	149,324
TOTAL	18,639	55,928	138,633	8,224	5,882	353,734

APPENDIX VI

FOODLAND PRESERVATION BRANCH
NON-RESIDENT AGRICULTURAL LAND INTERESTS REGISTRATION ACT

Agricultural Land Interests Registered by Non-Resident to March 31, 1984

County/Municipality	No. of Properties	Total Acreage
ALGOMA	2	205
BRANT	12	1,197
BRUCE	44	8,939
COCHRANE	25	1,067
DUFFERIN	7	1,381
DURHAM	31	1,718
ELGIN	23	3,223
ESSEX	65	5,192
FRONTENAC	4	3,143
GREY	14	2,663
HALDIMAND-NORFOLK	39	7,110
HALIBURTON	2	4,769
HALTON	69	10,155
HAMILTON-WENTWORTH	9	798
HASTINGS	5	2,017
HURON	102	16,882
KENORA	1	132
KENT	35	3,495
LAMBTON	87	11,430
LANARK	4	680
LEEDS & GRENVILLE	12	1,289
LENNOX & ADDINGTON	9	3,297
MANITOULIN	9	3,535
METRO TORONTO	9	361
MIDDLESEX	41	5,752
MUSKOKA	22	844
NIAGARA	21	1,399
NIPISSING	0	0
NORTHUMBERLAND	8	346
OTTAWA-CARLETON	12	3,058
OXFORD	16	3,110
PARRY SOUND	4	5,680
PEEL	26	1,896
PERTH	64	7,217
PETERBOROUGH	7	710
PRESCOTT & RUSSELL	22	3,383
PRINCE EDWARD	19	2,761
RAINY RIVER	109	17,550
RENFREW	7	1,377
SIMCOE	41	3,345
STORMONT, DUNDAS & GLENGARRY	30	4,989
SUDBURY	0	0
THUNDER BAY	2	164
TIMISKAMING	10	2,199
VICTORIA	7	1,058
WATERLOO	41	3,841
WELLINGTON	26	3,561
YORK	34	3,324
ONTARIO TOTAL	1,188	172,242

Total acres acquired prior to	1980	80,091
Total acres acquired in	1980	18,641
	1981	43,648
	1982	19,358
	1983	9,662
	to March 1984	842
Total acres registered to March 31, 1984		172,242

APPENDIX VII - 1

ECONOMICS BRANCH

Farm Cash Receipts from Farming Operations[r], 1979-1983, and Five-Year Average, 1974-1978

	Five-Year average 1974-1978	1979	1980	1981	1982	1983
					- $'000 -	
Wheat[a]	68,402	77,069	99,156	124,610	63,436	92,249
Oats	2,271	2,202	2,589	2,629	2,240	2,263
Barley	6,810	8,070	10,881	14,377	14,422	15,846
Rye	355	782	1,203	1,291	723	733
Soybeans	87,689	128,422	183,283	167,245	199,496	248,970
Corn	155,675	224,844	367,415	326,802	295,901	460,035
Potatoes	33,039	31,931	37,503	57,477	42,829	49,148
Fruits	70,162	91,594	93,173	88,789	101,049	104,195
Vegetables	149,051	190,661	210,774	242,696	245,055	247,811
Floriculture and nursery	96,643	133,173	143,467	164,938	157,277	165,767
Tobacco	205,402	273,605	196,319	361,845	353,316	247,811
Dry Beans	14,554	14,347	47,258	46,867	40,596	10,864
Other Crops	57,486	87,016	81,704	139,118	94,389	68,639
Crop Insurance Payments	13,107	52,282	16,377	18,495	19,941	78,896
TOTAL CROPS	960,646	1,315,998	1,491,102	1,757,159	1,630,670	1,792,763
Cattle	607,958	993,376	1,034,210	1,047,468	1,020,635	1,042,007
Calves	53,889	92,617	116,051	103,452	103,590	93,516
Hogs	309,477	449,491	469,014	525,899	656,268	596,855
Sheep and lambs	4,816	6,947	8,214	10,699	12,877	11,893
Dairy products	481,588	603,589	709,719	805,401	871,316	847,804
Poultry	169,689	236,282	237,146	279,009	269,653	271,193
Eggs	113,335	137,345	161,543	185,289	180,134	189,599
Honey	4,431	5,157	5,267	5,493	6,161	6,004
Fur	12,729	20,272	19,352	19,222	17,518	17,141
Wool	273	432	453	483	460	414
Other livestock products	14,066	20,364	22,088	23,859	25,109	24,611
TOTAL LIVESTOCK AND PRODUCTS	1,772,251	2,565,872	2,783,057	3,006,274	3,163,721	3,101,037
Forest and maple products	9,856	15,488	13,944	15,035	15,808	16,500
Provincial income stabilization program	11,148	5,500	6,815	6,523	5,073	1,369
Dairy supplementary payments	81,440	78,192	80,364	90,240	87,250	87,454
Deficiency payments[b]	10,886	40,807	18,192	39,867	9,796	19,398
Cash receipts from farming operations	2,846,227	4,021,857	4,393,474	4,915,118	4,912,318	5,018,521
Supplementary payments[c]	1	0	0	50,133	20,329	0
TOTAL CASH RECEIPTS	2,846,228	4,021,857	4,393,474	4,965,251	4,932,647	5,018,521

[a]Includes payments made by the Ontario Wheat Producers' Marketing Board.
[b]Payments made under the authority of the Agricultural Stabilization Act.
[c]Assistance to beef-cattle farmers.
[r]Revised.
Source: Statistics Canada, Catalogue No. 21-001.

APPENDIX VII - 2

FARM MARKET NEWS SERVICE

Summary of user calls to Daily Market Programs
April 1983 - March 1984

Daily Reports	Radio Calls	Total Calls
Fruit and Vegetable	891	4,954
Central and Western Hog	1,671	17,144
Eastern Hog	1,858	7,249
Cash and Futures	1,985	25,385
Feed Grain	1,784	5,353
Cattle and Sheep	6,342	23,759
Farm Market Summary	3,821	7,514
TOTAL	18,352	91,358

APPENDIX VIII — TABLE 1

CAPITAL IMPROVEMENTS BRANCH
TILE DRAINAGE DEBENTURES PURCHASED
(Fiscal Year April 1, 1983 - March 31, 1984)

Municipality	No. of Debentures	No. of Projects	Total Cost of Work	Total Loan
ALGOMA				
Johnson	2	2	23,854	14,300
Laird	1	1	46,119	26,800
MacDonald	2	2	50,106	27,900
Plummer Additional	1	2	54,709	33,200
St. Joseph	2	2	47,623	14,200
Thessalon	1	1	3,309	2,000
	8	10	225,720	118,400
BRANT				
Brantford	2	2	23,161	11,500
Burford	2	3	70,238	32,500
Dumfries South	1	1	26,413	15,800
	5	6	119,811	59,800
BRUCE				
Amabel	1	2	29,776	17,400
Arran	7	18	182,825	103,200
Brant	5	12	155,472	91,300
Bruce	6	12*	132,376	85,700
Carrick	3	9	91,307	47,600
Culross	4	7	51,960	30,600
Elderslie	4	7	95,460	57,000
Greenock	3	8	61,063	36,100
Huron	6	22	234,148	118,700
Kincardine	5	15	111,957	66,400
Kinloss	5	8	123,100	64,400
Lindsay	3	10	145,747	58,000
Saugeen	5	8*	107,264	44,900
	57	138	1,522,456	821,300
COCHRANE (DISTRICT)				
Glackmeyer	2	3	78,433	46,100
	2	3	78,433	46,100
DUFFERIN				
Amaranth	7	14	145,544	82,100
Garafraxa, East	4	9	120,198	56,100
Luthur, East	3	13*	108,658	120,300
Melancthon	2	2	24,874	14,500
	16	38	399,283	273,000
DUNDAS				
Matilda	4	22	277,669	163,900
Mountain	8	38	341,829	201,400
Williamsburg	5	18	217,264	115,100
Winchester	6	35	358,636	211,900
	23	113	1,195,398	692,300
DURHAM (REGION)				
Newcastle (Town)		11	161,595	88,400
Brock		19	277,638	111,000
Scugog		4	70,732	41,700
Uxbridge		1	5,595	3,300
	6	35	515,560	244,400

*projects carried forward from previous year.

ELGIN				
Aldborough	5	24	369,410	197,700
Bayham	5	16	68,023	38,100
Dorchester, South	1	1	3,833	2,300
Dunwich	8	27	305,980	183,000
Malahide	5	8*	70,348	56,700
Southwold	4	21	245,195	122,800
Yarmouth	5	10	153,563	91,600
	33	107	1,216,352	692,200
ESSEX				
Colchester, North	6	25*	236,889	74,700
Colchester, South	2	4	37,664	22,400
Gosfield North	7	15	210,795	125,700
Gosfield South	4	14	193,814	107,300
Maidstone	3	13	107,079	62,500
Malden	1	1	6,091	3,600
Mersea	7	52	548,445	330,200
Pelee Island	1	1	10,264	6,100
Rochester	6	18	297,317	165,400
Sandwich South	4	7	65,505	38,200
Sandwich West	1	1	10,904	6,500
Tilbury North	5	17*	226,211	140,600
Tilbury West	5	21	242,961	123,800
	52	189	2,193,939	1,207,000
FRONTENAC				
Pittsburgh	1	3	72,251	37,800
Portland	3	5*	40,026	23,800
Storrington	1	1	20,709	12,400
Kingston	2	2	18,232	10,100
	7	11	151,219	84,100
GLENGARRY				
Charlottenburgh	6	13	180,472	89,300
Kenyon	9	25	264,970	152,000
Lancaster	7	37*	452,044	242,500
Lochiel	6	26	251,782	138,000
	28	101	1,149,268	621,800
GRENVILLE				
Augusta	1	2	40,692	23,300
Edwardsburgh	7	17*	161,572	83,700
Gower, South	1	4	40,208	24,100
Oxford-on-Rideau	1	1	28,652	17,100
Wolford	4	6	82,674	47,400
	14	30	353,799	195,600
GREY				
Bentinck	1	3	21,051	12,600
Collingwood	5	12	99,805	56,000
Derby	1	1	20,138	12,000
Egremont	5	7	89,754	53,400
Euphrasia	2	2	20,807	12,400
Glenelg	4	5*	53,191	31,800
Normanby	5	7	109,907	65,200
Proton	4	5	127,875	51,100
St. Vincent	2	3	80,480	24,500
Sullivan	4	6	62,872	36,700
Sydenham	2	2	26,043	14,400
	35	53	711,922	370,100
HALDIMAND-NORFOLK (REGION)				
Nanticoke		12*	247,122	113,000
Dunnville		15	159,917	93,500
Haldimand (Town)		1	6,000	6,000
Delhi		8	122,793	67,100
Norfolk		23	293,207	170,900
	10	59	829,039	450,500

*projects carried forward from previous year.

HALTON (REGION)				
Burlington		2*	37,724	20,000
Halton Hills		1	4,275	2,500
Milton		1	9,838	5,900
	3	4	51,837	28,400
HAMILTON-WENTWORTH (REGION)				
Ancaster		7	63,537	36,900
Flamborough		7*	111,363	98,000
Glanbrook		4	45,193	25,800
	8	18	220,093	160,700
HASTINGS				
Huntingdon	1	0*	0	20,000
Madoc	1	1	9,297	5,500
Rawdon	3	4	71,153	39,100
Sidney	2	2	37,022	18,400
Thurlow	1	1	25,720	15,300
Tyendinaga	2	3	78,478	45,900
	10	11	221,670	144,200
HURON				
Ashfield	6	21	267,137	140,100
Colborne	3	8	89,821	53,600
Goderich	7	19	155,662	88,700
Grey	8	32	318,660	188,400
Hay	8	35*	459,305	271,400
Howick	2	13	213,042	76,000
Hullett	3	11	107,554	60,000
Morris	6	10	85,316	50,400
McKillop	6	23	277,420	160,600
Stanley	9	35	499,867	289,600
Stephen	8	34*	566,101	285,100
Tuckersmith	6	17	250,593	135,900
Turnberry	4	23	187,223	105,700
Usborne	8	20	271,168	147,200
East Wawanosh	2	5*	183,566	37,900
West Wawanosh	4	5	63,346	28,000
	90	311	3,995,772	2,118,600
KENT				
Camden	6	11	112,620	55,900
Chatham	7	29	340,626	197,300
Dover	2	18	137,318	82,400
Harwich	10	48	670,435	317,400
Howard	8	30	310,367	176,800
Orford	10	30	387,952	206,200
Raleigh	7	22	258,472	150,900
Romney	4	13	134,466	73,600
Tilbury East	8	30	363,736	211,800
Tilbury Town	1	1	13,587	8,100
Zone	4	8	64,113	42,700
	67	240	2,793,693	1,523,100
LAMBTON				
Bosanquet	8	24	253,622	135,200
Brooke	8	34	536,395	309,200
Dawn	8	34	594,621	335,100
Enniskillen	4	40	493,021	278,300
Euphemia	6	13	149,779	89,500
Moore	4	18	361,940	204,700
Oil Springs	3	5	40,072	21,100
Plympton	3	28	389,874	219,900
Sarnia	6	19	261,363	135,300
Sombra	7	26	452,592	272,500
Warwick	8	33	520,650	296,600
	65	274	4,053,928	2,297,400

*projects carried forward from previous year.

LANARK				
Bathurst	1	2	15,260	9,100
Beckwith	2	2	28,645	17,100
Drummond	2	2	22,371	13,300
North Elmsley	1	1	8,548	5,100
Pakenham	1	1	5,630	3,000
Ramsay	2	7	60,109	35,700
	9	15	140,563	83,300
LEEDS				
Bastard & South Burgess	6	6	62,780	26,300
Elizabethtown	1	2	22,552	13,500
Kitley	2	3	33,632	20,200
Leeds & Lansdowne, Front of	2	3	30,432	18,300
Leeds & Lansdowne, Rear of	2	2	25,467	15,200
South Crosby	2	4*	209,093	34,800
Yonge & Escott, Rear of	1	1	7,731	4,500
Yonge, Front of	1	1	1,538	900
	17	22	393,224	133,700
LENNOX AND ADDINGTON				
Adolphustown	1	0*	0	17,400
Camden East	1	1	11,374	6,800
Ernestown	2	3	44,812	26,600
North Fredericksburgh	2	2	28,885	17,300
Richmond	3	5*	75,367	45,000
South Fredericksburgh	2	2	46,990	27,200
	11	13	207,428	140,300
MANITOULIN				
Carnavon	1	1	5,042	3,000
Gordon	1	1	3,255	2,000
Tehkummah	1	2	34,333	15,000
	3	4	42,630	20,000
MIDDLESEX				
Adelaide	3	21	525,909	276,100
Ailsa Craig	1	1	16,880	3,100
Biddulph	9	31	388,957	228,800
Caradoc	5	8	108,045	65,300
Delaware	2	5	28,818	17,200
Dorchester, North	3	8	62,007	36,400
Ekfrid	4	24*	617,111	271,900
Lobo	5	19	328,808	168,200
London	9	40	523,663	301,600
Metcalfe	5	10	173,101	90,500
Mosa	8	18	175,140	103,600
McGillivray	9	32	367,910	218,000
Nissouri, West	8	22	333,871	198,900
Westminster	4	5	52,007	30,300
Williams, East	6	13	148,036	73,200
Williams, West	4	19	218,439	92,500
	85	276	4,068,703	2,175,600
NIAGARA (REGION)				
St. Catharines		2	15,628	9,200
Grimsby		2	16,332	9,700
Lincoln		36	305,201	170,200
Niagara-on-the-Lake		33	395,094	202,900
Pelham		4	47,142	26,300
Wainfleet		9	355,579	141,200
West Lincoln		1	9,413	5,600
	8	87	1,144,390	565,100
NIPISSING				
Caldwell	4	10	143,977	85,800
Springer	4	12	104,869	62,300
	8	22	248,846	148,100

*projects carried forward from previous year.

NORTHUMBERLAND				
Brighton (Town)	1	1	8,762	5,300
Brighton (Township)	3	5	50,047	29,800
Cramahe	2	4	65,705	38,900
Haldimand	1	1	33,200	7,800
Hamilton	2	3	37,995	22,700
Hope	3	7	98,629	55,500
Murray	4	6	114,440	66,600
Percy	2	3	29,803	17,700
Seymour	1	1	36,629	21,800
	19	31	475,210	266,100
OTTAWA-CARLETON (REGION)				
Cumberland		20	234,675	129,100
Gloucester		1	14,927	8,900
Goulbourn		10	167,242	89,700
Nepean		4	61,341	36,600
Osgoode		30	417,497	207,100
Rideau		11	111,401	60,800
West Carleton		19	263,274	124,000
	9	95	1,270,357	656,200
OXFORD COUNTY				
Blandford-Blenheim		12	133,139	73,400
East Zorra-Tavistock		26	298,860	120,900
Norwich		19	212,778	96,800
South-West Oxford		14	186,877	98,600
Zorra		43	528,952	306,000
	10	114	1,360,606	695,700
PARRY SOUND				
Nipissing	1	1	19,245	11,500
	1	1	19,245	11,500
PEEL (REGION)				
Caldeon		5	69,429	39,300
	3	5	69,429	39,300
PERTH				
Blanshard	7	23	250,290	141,000
Downie	5	19	183,799	81,300
Easthope, North	2	9	94,679	54,300
Easthope, South	3	10	135,711	53,100
Ellice	8	49	763,791	406,000
Elma	9	65*	932,839	351,600
Fullarton	9	29	416,452	234,600
Hibbert	8	14	264,757	151,100
Logan	7	35	526,211	272,100
Mornington	9	28*	403,380	203,600
Wallace	8	19	132,289	93,000
	75	300	4,104,199	2,041,700
PETERBOROUGH				
Asphodel	3	4	37,654	20,200
Cavan	1	2	13,032	7,900
Monaghan, South	2	2	26,820	16,000
Otonabee	3	7	50,495	30,000
Smith	1	1	9,495	5,600
	10	16	137,496	79,700
PRESCOTT				
Alfred	2	3	49,222	28,300
Caledonia	8	27	365,333	184,500
Hawkesbury, East	6	24	190,276	112,800
Hawkesbury, West	1	1	15,501	9,300
Longueil	2	2	28,199	16,900
Plantagenet, North	2	2	109,753	40,000
Plantagenet, South	7	26	330,499	189,500
	28	85	1,088,784	581,300

*projects carried forward from previous year.

PRINCE EDWARD				
Hallowell	2	2*	6,854	8,100
Hillier	2	2	11,665	6,900
Sophiasburgh	2	2	19,419	11,600
	6	6	37,938	26,600
RAINY RIVER (DISTRICT)				
Atwood	1	1*	4,002	13,000
Blue	1	1	9,802	5,800
Chapple	2	2	12,981	7,700
Dilke	1	0	0	300
Emo	2	4	14,903	8,900
McCrosson & Tovell	1	1	21,602	12,900
Morley	1	1	24,560	14,700
	9	10	87,850	63,300
RENFREW				
Admaston	2	2	10,607	6,300
McNab	2	2	41,800	24,600
Ross	1	3	18,783	7,900
Westmeath	4	4	33,875	19,100
	9	11	105,064	57,900
RUSSELL				
Cambridge	5	48*	643,811	263,200
Clarence	5	10	174,920	95,900
Russell	6	21	273,330	162,700
	16	79	1,092,061	521,800
SIMCOE				
Coldwater	1	2	29,221	17,000
Essa	4	12	159,359	94,600
Flos	7	13	186,824	108,100
Gwillimbury, West	4	9	67,476	40,200
Innisfil	5	13	83,979	49,800
Mara	6	8*	76,066	45,200
Medonte	2	2*	6,817	4,000
Nottawasaga	3	4	44,908	22,100
Orillia	2	2	22,165	12,800
Oro	2	2	42,766	19,200
Rama	2	2*	7,926	6,300
Sunnidale	5	8	145,168	58,700
Tecumseth	3	3	48,816	29,100
Tiny	1	1	28,259	16,900
Vespra	2	6	51,652	30,700
	49	87	1,001,402	554,700
STORMONT				
Cornwall	5	6*	72,700	39,900
Finch	7	34	315,843	200,300
Osnabruck	2	6	70,028	41,600
Roxborough	6	12	122,652	72,900
	20	58	581,223	354,700
SUDBURY				
Cosby, Mason & Martland	1	1	32,148	15,400
Ratter & Dunnett	1	1	20,667	12,400
The Spanish River	1	2	28,536	17,000
	3	4	81,351	44,800

*projects carried forward from previous year.

TEMISKAMING				
Armstrong	5	9	145,862	84,300
Brethour	2	3	38,444	23,000
Casey	5	4	69,074	46,300
Chamberlain	1	1	14,949	8,900
Dack	1	1	10,619	6,300
Dymond	4	8	83,802	52,400
Evanturel	4	9*	110,283	65,800
Harley	3	6	68,056	40,700
Harris	1	1	15,423	9,200
Hilliard	4	5	95,531	56,700
Hudson	3	3	26,607	15,400
Kerns	7	15	168,524	97,700
Thornloe	2	4	75,639	28,000
	42	69	922,814	534,700
THUNDER BAY (DISTRICT)				
Neebing	1	2	20,484	12,300
Paipoonge	3	7*	116,122	69,500
	4	9	136,607	81,800
VICTORIA				
Eldon	2	5	71,511	40,800
Emily	2	9	86,326	45,800
Manvers	1	1	4,750	2,800
Mariposa	4	7	91,270	54,000
Ops	6	15	136,385	81,200
Verulam	3	3	22,365	13,400
	18	40	412,606	238,000
WATERLOO (REGION)				
Wellesley		13	304,498	113,300
Wilmont		7	76,336	43,400
Woolwich		7	100,045	45,900
	7	27	480,879	202,600
WELLINGTON				
Arthur	7	26	306,426	179,400
Eramosa	2	2	35,780	21,000
Garafraxa, West	6	15	178,771	104,700
Guelph (Township)	3	4	76,281	43,800
Luther, West	6	14	161,149	82,600
Maryborough	7	23*	275,507	150,300
Minto	6	27	312,053	165,100
Nichol	7	12	130,356	74,300
Peel	7	34	473,434	274,600
Pilkington	4	5	53,145	26,200
Puslinch	1	1	6,122	3,600
	56	163	2,009,024	1,125,600
YORK (REGION)				
Georgina		2	30,959	18,500
Gwillimbury, East		1	4,800	2,800
King		3	17,656	10,400
	6	6	53,416	31,700
PROVINCIAL TOTAL	1,080	3,406	43,772,539	23,624,800

*projects carried forward from previous year.

APPENDIX VIII — 2

YEAR END REPORT FOR TILE DRAINAGE ACT 1983-1984

NORTHERN ONTARIO TILE LOANS
(Unorganized Municipalities)
Fiscal Year April 1, 1983 - March 31, 1984

Name	Amount	District	Month
Berend Bannink	3,700	Timiskaming	June
Jacques Hurtubise	9,600	Nipissing	September
Don Orford	4,800	Manitoulin	September
Mary & John Willemson	5,400	Nipissing	September
Maurice Courchesne	9,500	Nipissing	October
Oscal Laurin	6,000	Nipissing	October
Denis & Claire Giguere	3,300	Nipissing	October
Allen Fielding	8,100	Timiskaming	November
Lacroix and Co. Ltd.	20,000	Cochrane	November
Martin Paul & Diane Smits	3,200	Nipissing	November
La Ferme Cantin	20,000	Cochrane	November
Isobel McFarlane	7,800	Timiskaming	November
Jerome Johnson	4,800	Rainy River	November
Florent & Rosa Chretien	8,000	Nipissing	December
Gerard & Lucienne Giroux	9,000	Nipissing	December
Philip Potter	8,300	Timiskaming	December
Damien Leveille	3,800	Timiskaming	December
Gerard & Lucienne Giroux	1,700	Nipissing	January
TOTAL	137,000		

NORTHERN ONTARIO TILE LOANS SUMMARY
(Unorganized Municipalities)
Fiscal Year April 1, 1983 - March 31, 1984

District	No. of Loans	Amount of Loans
Manitoulin	1	4,800
Rainy River	1	4,800
Cochrane	2	40,000
Timiskaming	5	31,700
Nipissing	9	55,700
TOTAL	18	137,000

APPENDIX VIII — TABLE 2

GRANTS UNDER THE DRAINAGE ACT

(Fiscal Year April 1, 1983 - March 31, 1984)

MUNICIPALITY	Drainage Works with Engineer's Report			Routine Maintenance		
	No. of Drains	Total Cost	Total Grant	No. of Drains	Total Cost	Total Grant
BRANT						
Burford	2	173,494.91	39,148.74			
	2	173,494.91	39,148.74	0	0.00	0.00
BRUCE						
Amabel	1	206,796.60	43,114.01			
Arran	2	87,155.37	20,243.23			
Bruce	1	73,776.84	22,710.67	1	2,874.81	1,208.57
Culross	1	19,385.35	3,647.43			
Eastnor				1	4,446.40	1,638.74
Elderslie	*		423.85	5	38,202.01	13,323.31
Greenock	1	13,643.69	4,039.48	3	18,258.82	6,243.53
Huron	1	38,131.09	11,762.63	34	28,716.59	9,872.45
Kincardine	5	233,235.85	68,429.70	4	18,192.61	8,884.35
Kinloss				10	13,886.19	4,520.86
Lindsay	2	62,608.95	17,060.30			
	14	734,733.74	191,431.30	58	124,577.43	45,691.81

*supplementary grant #preliminary report &superintendent's fees only + dyke project

COCHRANE						
Val Rita-Harty	#	1,600.00	1,066.67			
	0	1,600.00	1,066.67	0	0.00	0.00
DUFFERIN						
Amaranth	3	89,117.93	25,740.66	1	3,703.40	1,222.92
East Garafraxa	1	41,715.66	12,232.17	3	1,752.27	724.89
East Luther	4	118,476.76	34,173.31	1	1,515.30	458.47
Melancthon	1	27,528.87	5,368.28			
	9	276,839.22	77,514.42	5	6,970.97	2,406.28
DUNDAS						
Matilda	1	89,955.38	17,129.34	8	13,199.40	4,840.55
Mountain				7	38,482.21	12,906.56
Williamsburg				1	9,422.09	3,688.30
Winchester				11	27,920.73	9,380.79
	1	89,955.38	17,129.34	27	89,024.43	30,816.20
ELGIN						
Aldborough	13	316,687.16	82,853.49			
Bayham	1	14,052.64	2,084.24	30	12,954.52	3,814.88
South Dorchester				22	7,959.83	2,598.07
Dunwich	12	355,084.22	92,098.43	13	21,093.14	7,991.97
Dutton	1	9,042.48	733.97			
Malahide	4	69,154.80	14,055.56	39	43,321.49	13,964.68
Southwold	5	64,013.55	16,142.37	8	30,752.63	11,311.23
South Dorchester	1	18,995.52	6,212.21			
Yarmouth	12	216,385.26	42,994.51	11	69,579.48	25,124.27
	49	1,063,415.63	257,174.78	123	185,661.09	64,805.10
ESSEX						
Amherstburg				&	809.20	404.60
Anderdon	7	210,436.95	16,968.04			
Colchester, North	2	49,537.86	16,096.20			
Colchester, South	6	126,164.64	25,986.45	&	7,306.63	3,653.31
Gosfield, North	3	32,179.00	9,493.79	4	4,199.58	1,255.67
Gosfield, South	2	46,483.75	13,796.45	17	59,578.26	19,818.71
Maidstone	10	375,553.95	46,743.96	&	13,642.03	6,821.01
Malden	7	99,632.86	26,202.86	&	3,968.26	1,984.13
Mersea	8	106,930.00	21,839.06	23	102,571.82	34,052.72
Pelee Island	1	10,700.96	1,779.50			
Rochester	3	151,183.51	24,146.24	25	52,023.17	15,369.75
Sandwich South	8	195,364.23	47,721.00	&	10,660.00	5,330.00
Tilbury, North	5	51,222.69	9,197.75	40	65,169.28	18,394.38
Tilbury, West	3	37,716.55	7,954.06	28	45,266.58	13,910.69
	65	1,493,106.95	267,925.36	137	365,194.81	120,994.97
FRONTENAC						
Olden	*	21,003.90	4,842.38			
Pittsburgh				&	5,021.01	2,510.50
	0	21,003.90	4,842.38	0	5,021.01	2,510.50
GLENGARRY						
Charlottenburg				&	6,541.53	3,270.77
Kenyon	1	18,958.68	5,662.50	9	35,040.09	19,107.69
Lancaster	2	187,365.21	60,502.79	2	17,227.14	6,833.06
Lochiel				5	22,071.77	7,180.21
	3	206,323.89	66,165.29	16	80,880.53	36,391.73
GRENVILLE						
Edwardsburgh	1	79,410.18	23,170.29			
South Gower	2	285,717.89	80,125.10			
Oxford-on-Rideau				3	16,922.41	4,995.23
Wolford	2	182,150.00	56,453.17			
	5	547,278.07	159,748.56	3	16,922.41	4,995.23
GREY						
Normanby				1	2,968.09	1,226.15
Proton	2	83,619.90	23,099.84	8	17,402.51	5,355.53
Sullivan	1	161,820.51	47,923.01			
	3	245,440.41	71,022.85	9	20,370.60	6,581.68

*supplementary grant #preliminary report &superintendent's fees only + dyke project

HALDIMAND-NORFOLK						
Delhi	4	66,401.00	6,715.31	45	57,000.94	19,906.49
Dunnville				12	86,050.94	32,787.12
Nanticoke	1	22,968.50	7,451.00	14	18,622.46	7,284.05
Norfolk	8	234,568.78	65,665.90	30	53,391.35	17,673.49
Simcoe				1	5,164.80	1,577.00
	13	323,938.28	79,832.21	102	220,230.49	79,228.15
HURON						
Ashfield	1	40,581.88	13,012.62	3	12,695.71	4,488.84
Colborne	1	43,923.72	10,841.90	1	2,463.22	914.69
Goderich	1	23,176.31	7,729.39			
Grey	5	141,296.61	41,994.31	30	44,774.05	16,891.79
Hay	2	19,561.00	3,311.37	2	825.00	216.77
Howick	1	151,719.90	45,957.44	8	57,451.25	19,569.34
Hullett	3	34,257.25	6,211.74			
Morris	3	56,070.85	17,256.13			
McKillop	8	182,984.89	46,316.76			
Stanley	2	31,588.30	9,543.28			
Stephen	3	163,016.02	46,896.41			
Tuckersmith	4	55,805.13	14,355.32			
Turnberry	1	123,580.98	37,843.00	10	22,435.46	7,829.23
Usborne	1	26,826.69	7,727.47	9	11,200.52	3,197.78
Wawanosh, East	1	18,212.74	5,207.46			
Wawanosh, West				6	3,370.40	1,293.58
	37	1,112,602.27	314,204.60	69	155,215.61	54,402.02
KENT						
Camden	8	53,882.86	14,311.15			
Chatham	11	187,337.62	38,888.15	69	87,723.76	28,752.96
Dover	9	137,497.98	37,874.17	31	124,928.19	40,383.56
Harwich	23	1,405,920.15	358,253.72	92	103,732.49	31,694.85
Howard	14	188,616.30	44,416.25	39	48,364.07	17,299.93
Orford	16	274,535.68	75,216.08	30	23,234.68	7,489.33
Raleigh	7	33,550.81	9,016.46	7	18,891.34	7,710.68
Romney	4	70,203.68	20,006.10			
Tilbury, East	5	79,766.22	23,480.49			
Zone	4	57,971.92	17,112.93			
	101	2,489,283.22	638,575.50	268	406,874.53	133,331.31
LAMBTON						
Bosanquet	1	29,087.60	6,565.10			
Brooke	5	130,897.82	40,478.54	28	35,362.25	9,631.22
Dawn	4	60,453.07	16,207.50			
Enniskillen	2	34,343.35	9,992.05	18	38,532.05	14,481.98
Euphemia	4	74,334.43	14,696.69			
Moore	7	330,996.51	70,946.12	34	81,452.23	25,462.79
Plympton	7	304,219.57	59,802.63	5	25,006.05	10,886.99
Sombra	6	96,196.52	25,028.07	7	23,461.48	9,778.44
Village of Akrona	1	103,924.10	22,127.60			
Warwick	7	262,270.94	71,527.28	29	24,942.23	9,704.74
	44	1,426,723.91	337,371.58	121	228,756.29	79,946.16
LANARK						
Beckwith				2	7,180.00	2,207.17
Drummond				2	3,446.90	2,696.90
Montague				1	6,370.56	637.06
Elmsley North	1	32,770.36	10,396.25	1	3,860.53	1,262.91
Ramsay						
	1	32,770.36	10,396.25	6	20,857.99	6,804.04
LEEDS						
Bastard and Burgess, South	1	243,990.53	79,916.26	1	3,145.07	1,251.71
Front of Escott				1	6,380.24	1,901.77
Front of Leeds and Landsdowne	1	69,646.83	22,340.05			
	2	313,637.36	102,256.31	2	9,525.31	3,153.48
LENNOX AND ADDINGTON CTY.						
South Fredericksburgh				1	4,831.40	1,594.07
	0	0.00	0.00	1	4,831.40	1,594.07

*supplementary grant #preliminary report &superintendent's fees only + dyke project

MANITOULIN DISTRICT						
Carnarvon	1	70,800.80	46,883.83			
Gordon				&	1,975.12	987.56
	1	70,800.80	46,883.83	0	1,975.12	987.56
MIDDLESEX COUNTY						
Adelaide	7	177,286.08	47,064.43	16	23,731.87	7,531.99
Biddulph	5	257,274.58	48,898.68	5	5,198.70	1,636.34
Caradoc	6	82,767.04	20,877.49	18	31,566.90	11,678.04
Delaware	2	41,636.92	12,831.25			
Dorchester, North	3	87,286.14	17,715.11			
Ekfrid	1	24,395.38	6,267.50	9	40,589.62	16,079.78
Lobo	7	133,085.45	24,863.81	16	40,646.78	13,782.05
London	8	272,208.13	79,792.81	30	14,737.96	5,001.00
Village of Lucan	1	49,594.91	6,510.71			
Metcalfe	4	106,558.21	32,292.26	9	5,218.48	1,626.77
Mosa	8	104,338.26	19,970.16	3	4,868.40	1,747.54
McGillivray	1	20,409.65	2,509.46			
West Nissouri	11	257,487.30	64,111.89	20	21,088.40	6,420.91
Westminster	2	39,213.45	9,824.73			
East Williams	1	30,830.18	5,606.57	14	10,028.35	3,397.32
	67	1,684,371.68	399,136.86	140	197,675.46	68,901.74
NIAGARA REGION						
Niagara-On-The-Lake				3	79,864.89	22,427.90
Pelham	1	39,083.09	10,649.73			
Port Colborne	5	145,270.33	21,513.21	16	56,806.68	18,890.01
Wainfleet	2	34,702.88	9,604.53	5	50,122.46	20,347.10
	8	219,056.30	41,767.47	24	186,794.03	61,665.01
NIPISSING DISTRICT						
Caldwell	2	97,120.14	62,818.35			
Papineau	1	12,457.64	7,055.11			
Springer	3	127,291.12	77,761.41			
	6	236,868.90	147,634.87	0	0.00	0.00
OXFORD COUNTY						
Blandford-Blenheim	4	215,802.24	59,773.00	34	34,160.00	12,431.65
East Zorra-Tavistock	5	187,383.68	56,832.59	33	45,176.66	16,600.96
Norwich				90	75,880.02	26,973.95
South-West Oxford	7	133,379.75	37,461.54	95	46,115.55	17,790.04
Zorra	10	457,259.53	127,698.72	52	87,972.21	33,520.07
	26	993,825.20	281,765.85	304	289,304.44	107,316.67
OTTAWA-CARLETON REGION						
Cumberland				10	45,168.99	17,045.66
Goulbourn				3	46,476.67	13,911.07
Nepean				&	2,856.35	1,428.17
Osgoode	3	1,027,495.68	322,729.66	2	12,119.43	5,201.06
Rideau	1	80,561.24	25,108.06	3	15,103.51	4,801.86
	4	1,108,056.92	347,837.72	18	121,724.95	42,387.82
PERTH COUNTY						
Blanshard	*		74.02	6	5,688.16	1,577.83
Downie	10	402,451.05	119,380.53	12	23,849.41	10,080.87
Easthope, North				4	8,200.00	3,116.75
Easthope, South	1	20,042.88	6,175.21			
Ellice	11	286,272.73	76,250.20	1	2,716.03	1,219.81
Elma	5	103,265.09	30,396.78	22	47,125.59	15,588.40
Fullarton				16	35,571.86	10,984.21
Hibbert	11	218,337.40	66,384.73			
Logan	2	99,391.06	18,880.49	4	6,089.95	1,941.82
Mornington	4	149,208.80	44,196.92	1	6,025.58	2,710.72
Wallace	5	232,032.67	68,517.18	1	6,004.20	2,574.90
	49	1,511,001.68	430,256.06	67	141,270.78	49,795.31

*supplementary grant #preliminary report &superintendent's fees only + dyke project

PRESCOTT COUNTY						
Alfred				&	7,200.90	3,600.45
Caledonia	1	58,660.55	16,366.28	19	103,759.40	35,867.57
Hawkesbury, East	10	1,554,798.34	306,327.99	&	2,759.46	1,379.73
Hawkesbury, West	1	146,850.55	43,757.84			
Longueil				&	2,409.24	1,204.62
Plantagenet, North	1	102,557.37	33,228.98	4	38,015.68	13,052.56
Plantagenet, South	2	145,982.61	44,560.24	&	4,783.87	2,391.94
	15	2,008,849.42	444,241.33	23	158,928.55	57,496.87
RAINY RIVER DISTRICT						
Atwood	4	332,557.79	122,277.59	1	9,120.60	4,497.40
Chapple	3	149,484.93	94,555.64	&	644.54	322.27
Emo	2	315,870.89	161,542.05			
La Vallee	1	23,915.99	15,904.49			
Morley	1	106,807.06	62,272.55			
	11	928,636.66	456,552.32	1	9,765.14	4,819.67
RENFREW COUNTY						
Admanston	1	72,099.72	22,374.06			
Bromley	6	630,194.19	205,052.78	3	10,276.53	4,119.80
Stafford				&	1,800.00	900.00
	7	702,293.91	227,426.84	3	12,076.53	5,109.80
RUSSELL COUNTY						
Cambridge (Township)	1	101,278.15	32,544.78	4	22,516.44	8,822.21
Clarence	*		690.01	2	10,512.88	4,508.17
Russell				12	103,531.08	35,742.54
	1	101,278.15	33,234.79	18	136,560.40	49,072.92
SIMCOE COUNTY						
Bradford				+	1,117.64	379.68
Essa		1,898.80	632.93	2	12,543.57	4,319.19
Gwillimbury, West		13,526.93	3,871.87	+	31,439.68	9,735.92
Innisfil				5	17,778.00	5,957.84
Orillia	1	22,581.15	6,280.53			
	1	38,006.88	10,785.33	7	62,878.89	20,392.63
STORMONT COUNTY						
Cornwall	4	143,428.32	35,689.90			
Finch				4	16,883.12	6,736.78
Osnabruck	2	132,998.38	37,258.55	5	50,606.87	19,992.04
	6	276,426.70	72,948.45	9	67,489.99	26,728.82
SUDBURY DISTRICT AND REGION						
Casimir, Jennings, Appleby	4	197,988.24	122,906.50			
Ratter and Dunnet	1	69,600.00	43,333.33			
Spanish River				8	10,189.18	6,149.27
Valley, East	2	265,099.09	150,950.62			
Webwood	1	13,090.00	7,198.21			
	8	545,777.33	324,388.66	8	10,189.18	6,149.27
TEMISKAMING DISTRICT						
Armstrong	1	30,537.74	14,341.13			
Brethour	1	98,150.00	61,012.23			
Dack	2	64,670.00	29,211.77			
Dymond	1	11,780.00	3,111.33			
Evanturel	2	39,360.03	20,285.51	3	5,562.73	3,188.05
Haileybury	1	41,675.85	22,806.00			
Harley	3	299,939.39	142,174.99			
Hilliard	1	94,565.97	46,538.78			
Kerns	2	60,503.88	31,680.43			
Thornloe	1	11,223.90	5,002.00			
	15	752,466.76	376,164.17	3	5,562.73	3,188.05
VICTORIA COUNTY						
Mariposa	1	179,004.84	52,478.50	6	11,365.00	4,171.92
Ops				2	5,297.50	1,859.19
	1	179,004.84	52,478.50	8	16,662.50	6,031.11

*supplementary grant #preliminary report &superintendent's fees only + dyke project

WATERLOO REGION						
Wellesley	1	40,791.74	9,508.99	11	30,228.49	11,852.26
	1	40,791.74	9,508.99	11	30,228.49	11,852.26
WELLINGTON COUNTY						
Arthur	1	78,676.42	23,562.08	4	15,165.21	6,174.86
Eramosa				&	506.00	253.00
Garafraxa, West				6	8,495.41	2,418.06
Luther, West	2	36,123.16	8,868.64	14	16,055.37	6,357.42
Maryborough	3	50,894.30	12,656.04			
Minto	5	204,070.30	63,062.94	16	26,774.39	11,917.32
Nichol				2	4,007.52	1,358.91
Peel	1	26,799.98	7,808.39			
Pilkington				&	516.15	258.08
	12	396,564.16	115,958.09	42	71,520.05	28,737.65
YORK REGION						
King	0	0.00	0.00	0	64,489.40	15,067.04
	0	0.00	0.00	0	64,489.40	15,067.04
PROVINCE TOTAL	588	22,346,225.53	6,454,776.27	1,633	3,526,011.53	1,239,262.93

*supplementary grant #preliminary report &superintendent's fees only + dyke project

APPENDIX VIII — TABLE 3

GRANTS UNDER THE DRAINAGE ACT

Fiscal Year April 1, 1983 - March 31, 1984

Drainage Grants - Personal Payee	Amount Paid	Total Paid
Drainage Grants - Personal Payee		
CONTRACTORS FOR DRAINS IN UNORGANIZED TERRITORIES		
Les Enterprises Chega	3,924.65	
Ger-Ric-Co Enterprises	17,800.00	
Pertulla Excavating	30,298.00	
Blain Farm Drainage	68,422.05	
RPM Enterprises	33,280.00	
H & R. Noble Construction	22,986.90	
Van Bree & Sons	9,023.96	
Claude Villeneuve Co. Ltd.	19,327.70	
Norm Therrien & Partners Const. Ltd.	3,680.00	
Don Eadie Construction	2,500.00	
Keith Hele Contracting Ltd.	5,886.80	
Armor Construction Co.	16,120.00	
Sub total		233,250.06
PAYMENTS TO INDIVIDUALS FOR WORK DONE ON DRAINAGE IN UNORGANIZED TERRITORIES		
D. McDermid	36,870.00	
W. Lane	7.61	
N. LaFreniere	85.80	
J. Bennett	2,020.13	
R. Joudin	5,720.00	
O. Laurin	95.00	
G. Piquette	612.18	
P. Levac	5,600.00	
H. Gerber	641.00	
J. Totter	56.00	
C. Simpkin	593.00	
R. Parker	242.00	
G. Piquette	345.18	
C. Limieux	752.40	
Sub total		53,640.30
ENGINEERING SERVICES		
Wegman-Graham Engineering Services	10,361.97	
H. Sutcliffe	8,760.22	
Noront Engineering	15,969.76	
Sub total		35,091.95
		321,982.31
Less Transfer From Holding Account		20,752.19
TOTAL		301,230.12

APPENDIX IX

SUMMARY OF EXPENDITURE

For the Year Ended March 31, 1984

	($Thousand)	($Thousand)
MINISTRY ADMINISTRATION PROGRAM		
Main Office	3,283	
Financial and Office Services	3,995	
Personnel Services	735	
Information Services	2,344	
Analysis & Planning	3,844	
Legal Services	404	
Audit Services	356	
Experience '83	1,120	
Total for Ministry Administration		16,081
AGRICULTURAL MARKETING AND DEVELOPMENT PROGRAM		
Marketing and Sector Support Payments	7,415	
Foodland Ontario Promotion	2,372	
Quality Standards	13,211	
Land Preservation and Improvement	44,104	
Total for Agricultural Marketing and Development		67,102
AGRICULTURAL TECHNOLOGY AND FIELD SERVICES PROGRAM		
Education, Research and Technical Services		
Contracted with University of Guelph	22,100	
Veterinary Clinical Training	1,800	
Colleges of Agricultural Technology		
Education and Research	14,942	
Ontario Agricultural Museum and Other Education	5,256	
Horticultural Research Institute of Ontario,		
Other Research and Energy Programs	8,671	
Dairy Herd Improvements	2,600	
Advisory Services	23,476	
Support to Rural and Farm Organizations	6,374	
Total for Agricultural Technology and Field Services		85,219
FINANCIAL ASSISTANCE TO AGRICULTURE PROGRAM		
Financial Assistance Policy	5,186	
Direct Support and Stabilization Payments:		
Farm Tax Reduction Program	71,981	
Subsidy Payments to the Ontario Crop Insurance Fund	20,778	
Ontario Farm Adjustment Assistance Program	9,624	
Various Grants (Transfer Payments)	2,703	
Farm Income Stabilization Commission	8,985	
Payment of Guarantees	715	
Total for Financial Assistance to Agriculture		119,972
TOTAL EXPENDITURE		288,374

APPENDIX X

SUMMARY OF REVENUE
For the Year Ended March 31, 1984

	($Thousand)	($Thousand)
MINISTRY ADMINISTRATION PROGRAM		
Reimbursement of Expenditures (Other)	367	
Sales and Rentals	32	
Recovery of prior years' Expenditures	74	
Miscellaneous	10	
RECEIPTS:		
Co-operative Loans	91	
Total for Ministry Administration		574
AGRICULTURAL MARKETING AND DEVELOPMENT PROGRAM		
Reimbursement of Expenditures		
Government of Canada	434	
Reimbursement of Expenditures (Other)	292	
Fees, Licences and Permits	770	
Sales and Rentals	1,983	
Recovery of Prior Years' Expenditures	74	
Miscellaneous	2	
RECEIPTS:		
Municipalities re Tile Drainage	18,797	
The Drainage Loans in Unorganized Territories	72	
Total for Agricultural Marketing and Development		22,424
AGRICULTURAL TECHNOLOGY AND FIELD SERVICES PROGRAM		
Reimbursement of Expenditures		
Government of Canada	94	
Reimbursement of Expenditures (Other)	534	
Fees, Licences and Permits	1,234	
Sales and Rentals	2,289	
Recovery of Prior Years' Expenditures	287	
Miscellaneous	13	
CREDITS:		
Ontario Agricultural Museum Trust Fund	24	
Bequest and Scholarship	4	
Total for Agricultural Technology and Field Services		4,479
FINANCIAL ASSISTANCE TO AGRICULTURE PROGRAM		
Reimbursement of Expenditures		
Government of Canada	32,998	
Fees, Licences and Permits	1	
Sales and Rentals	3	
Recovery of Prior Years' Expenditures	287	
Miscellaneous	7	
RECEIPTS:		
Ontario Crop Insurance Commission	10,836	
Farm Income Stabilization Commission of Ontario	692	
Total for Financial Assistance to Agriculture		44,824
TOTAL FOR REVENUE		72,301